Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Massachusetts—New York, New Haven & Hartford R.R. soon receives bids for enlarging cut to freight terminals, Boston, about $800,000. E. Gagel, New Haven, Ch. Engr. Noted July 6.

New York—New York State Rys. (Syracuse Lines), to double-track Euclid Ave. and portion Oak St. lines, Syracuse. B. E. Tilton, Syracuse, Gen. Mgr.

Pennsylvania—Northern Montour R.R., subsidiary Pittsburgh Coal Co., applied to State Pub. Utilities Comn., Pittsburgh, for approval of charter for line from Robinson Township, Washington County, to Ohio state line, about 35 mi.

Pennsylvania—Philadelphia & Reading Ry. plans to lower grades on New York Div. between Hopewell and Ewing, also to lay 2 additional tracks. S. T. Wagner, Philadelphia, Ch. Engr.

Maryland—Cumberland Electric Railway Co. applied for franchise to extend line on Green St., Cumberland. G. L. Wellington, Cumberland, Pres. Noted May 25.

Maryland—Washington, Westminster & Gettysburg Railroad Co. applied to Pub. Ser. Comn., Baltimore, for permission to sell $630,000 bonds for line from Hyattsville, Md., to Gettysburg, Penn.

West Virginia—W. B. Cornwell and associates plan standard-gage freight railway from point in Shenandoah Valley to Wardensville.

West Virginia—Baltimore & Ohio Railroad Co. plans new spur west of Simpson to open up block of Pittsburgh coal land. F. L. Stuart, Baltimore, Ch. Engr.

North Carolina—Carolina & Yadkin River Ry. plans to extend line from High Point to Mt. Gibson. E. C. Deal, Greensboro, Vice-Pres. and Ch. Engr.

North Carolina—Toxaway Western Railway Co. granted charter for line from Lake Toxaway to Sapphire, about 4 mi. J. Meltz, Williamsport, Penn., and H. C. Jarvis, Asheville, Dir. Noted Aug. 2.

South Carolina—South Carolina Light, Power and Railways Co. plans to extend line from Spartansburg to Whiting Mills, also to rebuild line between Clifton No. 1 and No. 2. F. C. Knox, Spartansburg, Vice-Pres. and Gen. Mgr.

Georgia—Chatham Terminal Co., Savannah, applied for charter for railway from connection of line of Central of Georgia Ry. to property of Savannah Warehouse and Compress Co., about 3 mi. C. W. Small, Savannah, interested.

Georgia—Georgia Railway and Power Co. plans electric line from Atlanta to Augusta. G. M. Brine, Atlanta, Gen. Mgr.

Florida—Hillsborough Interurban Railway Co. to let contract about November for railway from Tampa to Safety Harbor through Hillsborough and Pinellas Counties, about 60 mi. A. Vigianni 917 22nd Ave., Tampa, Engr. Noted July 27.

Florida—Jacksonville Traction Co., Jacksonville, plans to extend line on portion 8th St., about $40,000. H. Croom, Jacksonville, Local Mgr. and Pur. Agt.

Florida—West Coast Electric Railway Co. securing right-of-way for line from Tampa to Venice, via Palmetto, Bradentown, Sarasota and Bee Ridge. A. E. Townsend, Sarasota, Gen. Mgr. Noted Aug. 17.

Alabama—Anniston Railway Co. plans to extend street-car line about ½ mi. in Anniston.

Alabama—(Press)—Mobile & West Alabama R.R., incorporated in 1893, made surveys for 380 mi. line, 350 mi. of which will extend from Florence via Tuscaloosa to Mobile. Steps now being taken to finance project. J. A. Montgomery, Birmingham, Ch. Engr.

Ohio—(Press)—Pennsylvania Lines West of Pittsburgh soon receives bids for new line from Toledo to Detroit, Mich. T. Rodd, Pittsburgh, Ch. Engr.

Indiana—Terre Haute, Indianapolis & Eastern Traction Co. plans to double-track line between city limits and Indianapolis Motor Speedway, Indianapolis, about $100,000. T. F. Grove, Terre Haute, Gen. Mgr.

Illinois—Business men, Bloomington, interested in project to build interurban railway north and east from Bloomington.

Illinois—Chicago, Fox Lake & Northern Electric R.R. Co. made surveys for line from Evanston to Palatine. H. O. Strauss, Harris Bldg., Chicago, Engr.

Iowa—Atchison, Topeka & Santa Fe Ry. to spend about $250,000 for improvements at Madison. C. W. Felt, Chicago, Ch. Engr.

Montana—Surveys made for electric railway from Toston to Radersburg, 12 mi. F. Shull, interested.

Montana—Missoula St. Railway Co., Missoula, plans to extend line. G. R. Brown, Missoula, Gen. Mgr. and Pur. Agt.

California—Southern Pacific Co. making surveys for line from Crafton to Greenspot. W. Hood, San Francisco, Ch. Engr.

Ontario—Ontario Hydro Comn. making surveys for line from London to Owen Sound, about 175 mi. A. Beck, London, Chn.

Bids In and Contracts Awarded

North Carolina—Seaboard Air Line Ry. let contract for line from Hamlet to Gibson to VAUGHAN CONSTRUCTION CO., Shawsville, Va., about $200,000. Noted Aug. 17.

North Carolina—Southern Ry. let contract for change of line from Belmont to R. RUSSELL, Charlotte. Project to include 1.35 mi. new track.

Indiana—Evansville & Indiana R.R. let contract about 19 mi. line change near Terre Haute to W. E. CALLAHAN CONSTRUCTION CO., Omaha, Neb. Contractors to sublet about 60,000 cu.yd. team work and 6,000 cu.yd. side hill rock work.

Illinois—Illinois Central R.R. let contract raising about 5 mi. tracks on St. Louis Div., Springfield, about 70,000 cu.yd. excavation, to LYNCH CONSTRUCTION CO., Monmouth.

Wisconsin—Ettrick & Northern Ry. let contract for line from Ettrick to Blair to E. J. MATCHETT and J. RAICHLE, Osseo, $135,000. Noted Oct. 14.

Montana—Northern Pacific Ry. let contract line from Dixon to Polson to SIEMS, WICKHAM & CO.

LIGHT, HEAT AND POWER

Proposed Work

Maine, East Corinth—Bangor Railway and Electric Co., Bangor, plans substation.

Mass., Lenox—Lenox Electric Co. plans to improve plant and system, about $20,000 or $30,000. Address C. D. Parker & Co., Boston.

Conn., Norwich—City retained W. B. Rollins & Co., Engr., Kansas City, Mo., to make plans for electric-light plant. About $22,500. Noted Mar. 30.

Penn., Chester—Chester Paper Co. plans new power plant.

Penn., Topton—City votes in November on $23,000 bond issue for electric-light plant and improving water supply.

N. C., Cary—City plans $10,000 bond issue for electric-light system.

N. C., Lenoir—J. Moore and associates plan hydro-electric plant on Johns River.

N. C., Raleigh—Carolina Power and Light Co. plans dam and hydro-electric plant at Little Mill site on Beaver River. P. A. Tillery, Raleigh, Ch. Engr.

S. C., Camden—City votes Sept. 12 on $7 000 bonds for electric-light plant. C. H. Yates, Mayor.

S. C., Due West—Due West Water, Light and Power Co. organized to install electric power plant, about $8,000. R. H. Brice, Mgr.

Ga., Cave Spring—City plans electric-lighting system.

Fla., Bowling Green—City to install electric-lighting system.

Ky., Mt. Sterling—(Press)—Kentucky Utilities Co. plans to improve plant at Mt. Sterling.

Ohio, Fostoria—Ohio Light and Power Co. plans to extend system to northwestern section of Seneca County.

Ohio, Medina—Ohio Gas and Electric Co. granted franchise to install electric-light and power plant in Medina.

Ohio, Perrysville—Bd. Trustees receives bids for improving electric-light plant.

Ind., Danville—American Pub. Utilities Co., Grand Rapids, Mich., purchased plant of Danville Light, Heat and Power Co. and will improve same and extend system.

Ind., Hobart—City plans to improve electric-light plant. M. H. Owens, Supt.

Ind., La Porte—Comrs. La Porte County making plans for 1-story power plant. About $10,000. F. Hausheer, Court House, La Porte, County Audr. Noted Aug. 3.

Ind., Newburg—Thornton Home for Disabled Presbyterian Ministers making plans for power plant, laundry and boiler house. C. Shopbell & Co., 707 Furniture Exchange Bldg., Evansville, Arch.

Ill., Fisher—See item under "Water-Works."

Wis., Elkhorn—Wisconsin Butter and Cheese Co. plans to improve power plant. T. Watson & Co., 1412 Majestic Bldg., Milwaukee, Engr.

Neb., Scotia—See item under "Water-Works." Noted July 27.

Tex., Miami—City Council plans electric-light plant.

Tex., O'Donnell—S. T. Singleton plans electric-light and power plant.

Tex., Victoria—C. H. Kellam applied to City Council for franchise for gas manufacturing plant and distributing system.

Wash., Spokane—Spokane Valley Power Co. plans power plant. About $1,500,000. H. A. Stoolfire, Secy.

Ore., Joseph—Joseph Light and Power Co. purchased by Enterprise Electric Co., Enterprise, for $57,500. New owners plan transmission line from Joseph to Enterprise. L. M. Simpson, 521 1st Ave., Spokane, Gen. Mgr.

Man., Grand Rapids—See item under "Miscellaneous."

Bids In and Contracts Awarded

Conn., Eagleville—(Storrs)—Connecticut Agricultural College let contract 1-story, 45x75-ft. power house to H. WALES LINES CO., Meriden.

N. Y., Watertown—New York Air Brake Co. let contract 2-story, 83x86-ft. power house to GUARANTEE CONSTRUCTION CO., 140 Cedar St., New York.

Mich., Kalamazoo—Monarch Paper Co. let contract dam to B. DOUGLASS CO., Ann Arbor.

N. D., Jamestown—Western Electric Co. let contract power house and smokestack to JORGENSON & KLARQUIST, St. Paul. About $40,000. Noted July 20.

Calif., Alameda—Union Iron Works, San Francisco, let contract power house at plant at Alameda to LANGE & BERGSTROM, Sharon Bldg., San Francisco, $25,990.

Que., Sherbrooke—(Official)—City let contract concrete dam at hydroelectric plant to T. L. MACBEAN and M. L. WILLIAMS, Montreal. About $62 858. Noted Aug. 3.

BRIDGES

Proposed Work

N. Y., Buffalo—(Official)—Comr. Pub. Wks. receiving bids Sept. 12 for bascule bridge over Buffalo River. G. H. Norton, City Engr. Noted Aug. 10. (See adv. in Aug. 17 issue.)

N. Y., Buffalo—City making plans for viaduct over Louisiana St. and Erie R.R. Edward B. Guthrie, 436 Ellicott Sq., Engr.

N. Y., Ft. Plain—City plans bridge across Otsquago Creek at Valley Brook. About $9,000.

N. Y., Leicester—Bd. Supvrs. passed resolution to issue $5,000 bonds for replacing bridges destroyed by floods.

N. J., Newark—Board Chosen Freeholders soon receives new bids for repairing Lincoln Highway bridge over Hackensack River. Noted July 13.

N. J., Newark—(Official)—City receiving bids Aug. 31 for steel railroad bridge over Central Railroad of New Jersey, at Port St. M. R. Sherrerd, Ch. Engr. (See adv. Aug. 17 issue.)

N. J., Newark—County making plans for concrete bridges on Northfield and Swamp Rd. Address County Clk., Newark.

N. J., Trenton—Board Chosen Freeholders plans bridge over Carr's Brook, Hopewell Township.

Penn., Glassport—County Comrs. plan bridge over Monongahela River between Glassport and Wilson. Address County Clk., Glassport.

Penn., Harrisburg—City made plans for bridge across tracks of Pennsylvania R.R. at Walnut St. About $300,000. Greiner & Whitman, Baltimore, Md., Arch. Noted May 25.

Penn., Johnstown—City plans steel and concrete bridge between 8th and 17th wards.

Penn., Swarthmore—Delaware County Comrs. plan steel and concrete bridge over Crum Creek at Victoria Plush Mills. Address County Clk., Media.

Penn., York—County Comrs. receiving bids Sept. 5 for rein.-con. arch bridge over Codorus Creek on Logansville Rd., concrete arch bridge over Kreutz Creek, stone arch bridge over Otter Creek. Address County Clk., York. Noted July 27.

Va., Independence—(Official)—County receiving bids Aug. 30 for concrete bridge over Wilson Creek near Troutdale. Address County Clk., Independence.

W. Va., Huntington—County Comrs. plan concrete and steel bridge to connect Harveytown and Harrison Ave. Address County Clk., Huntington.

W. Va., Middlebourne—(Official)—County Court receiving bids Sept. 1 for 3 concrete bridges. Address County Clk., Middlebourne.

N. C., Asheville—Buncombe County Comrs. plans bridge near Craggy. Address County Clk., Asheville.

Bridges (Continued)

N. C., Hendersonville—Henderson County plans expenditure of $5,000 for repairing bridges. Address County Clk., Hendersonville.

N. C., Rutherfordton—County Comrs. plans bridges. Address County Clk., Rutherfordton.

Ga., Americus—Sumter County Comrs. plan bridge across Flint River at Huguenins Ferry.

Fla., Miami—Dade County Comrs. made plans for bridge over Biscayne Bay. Address County Clk, Miami. Noted Aug. 10.

Fla., St. Petersburg—City plans bridge across Old Tampa Bay from St. Petersburg to Tampa. About $1,000,000.

Ala., Clayton—Barbour County making plans for concrete bridge over Chahanatchie Creek. R. P. Boyd, Asst., State Highway Engr., Montgomery.

Ala., Tuscaloosa—Bd. Trade plans bridge across Warrior River.

Miss., Bay St. Louis—City plans bridge across Bay St. Louis Bay.

Miss., Holly Springs—Marshall County receiving bids Sept. 5 for 2 bridges. C. H. Wright, Holly Springs, Clk. Noted Aug. 3.

Miss., Lucedale—George County Supvrs. plan to issue $90,000 bridge and road bonds.

La., Boyce—Austin Bridge Co. plans bridge across Red River.

Tenn., Clifton—County Court authorized appropriation for bridge across Roach Creek. Address County Clk., Clifton.

Tenn., Waverly—(Official)—Nashville, Chattanooga & St. Louis Ry. does not plan to build viaduct on Waverly-McEwen Rd. as noted Aug. 3.

Ohio, Akron—County made plans for bridge at Johnson's Corners. About $5,000. Address County Clk., Akron. Noted Jan. 20.

Ohio, Akron—City voted $1,200,000 bonds for North Hill Viaduct. J. A. Gehres, City Engr. Noted June 29.

Ohio, Bucyrus—County Comrs. plan bridge across Sandusky River at Gay St. Address County Clk., Bucyrus.

Ohio, Cleveland—Board Comrs. receiving bids Sept. 6 for completing Detroit-Superior Ave. bridge. William A. Stinchcomb, Cleveland, County Surv. Noted Aug. 17.

Ohio, Columbus—County Comrs. receiving bids Sept. 1 for Bid Run bridge on Brown Rd. Franklin Township.

Ohio, Eaton—Bd. County Comrs. receiving bids Aug. 30 for 2 bridges. G. W. Rehfuss, Eaton, County Audr.

Ohio, Troy—County Comrs. passed resolution for rein.-con. bridge over Stillwater Creek west of Covington. About $18,000. Address County Clk., Troy.

Ohio, Urbana—City soon receives bids for Dugan St. bridge. About $10,000. F. E. Sweetman, City Engr. Noted July 27.

Ind., Decatur—County Comrs. receiving bids Sept. 6 for Kack Bridge, Monroe Township. T. Baltzell, Decatur, Audr. Noted Aug. 3.

Ind., Kokomo—County Comrs. soon to receive bids for 12 bridges over big ditches. Address County Clk., Kokomo.

Mich., Bear Lake—County plans bridge over Manistee River. About $6,500.

Ill., Kankakee—County soon receives bids for bridge across Kankakee River between Kankakee and Will Counties. About $50,000. Address County Clk., Kankakee. Noted June 22.

Wis., Sheboygan—City making plans for viaduct over South 14th St. About $50,000. C. U. Boley, City Engr.

Minn., Blue Earth—County made plans for bridges Nos. 2321, 2322, 2323 and 2324. John Flynn, Blue Earth, County Audr.

Minn., Ellendale—State Highway Comn. making plans for Bridge No. 2233, Bath Township. C. E. Brainard, Ellendale, County Audr.

Kan., Leavenworth—City plans bridge over Atchison, Topeka & Santa Fe tracks at Penn, Michigan and Ohio Ave. H. A. Perkins, City Engr.

Kan., Manhattan—County receiving bids Sept. 22 for 2 concrete span bridges over Blue River. J. E. Williams, Manhattan, County Engr.

S. D., Brookings—County receiving bids Sept. 5 for repairing bridges. F. H. Ribley, Brookings, County Audr.

S. D., Salem—County receiving bids Sept. 5 for 5 concrete bridges. C. F. Erickson, Salem. County Audr.

S. D., Watertown—County receiving bids Sept. 5 for material for county bridges. J. S. Johnson, Watertown, County Audr.

Mont., Missoula—County Comrs. soon receives bids for bridge across Rock Creek near Bonita. D. McQuarrie, Missoula, Chn. County Comrs. Noted May 4.

Mo., Crystal City—City plans wooden bridge to connect Old and New Crystal.

Ark., Blytheville—City plans bridge over Buford Lake.

Wash., Seattle—City plans bridge over West Waterway at Spokane St.

Ore., La Grande—Oregon-Washington Railroad and Navigation Co. is making plans for bridge S. Murray Portland, Ch. Engr.

Calif., Quincy—Plumas County receiving bids Sept. 4 for 2 rein.-con. bridges. About $10,000 and $7,500. Leonard & Day, Rialto Bldg., Quincy.

Calif., Santa Barbara—Bd. County Supvrs. plans concrete bridge at Arroyo Burro on Modoc Bd. About $5,000. Address County Clk., Santa Barbara.

Ont., Harrow—Council plans rein.-con. bridge. About $8,000. T. W. Crowe, Clk.

Bids In and Contracts Awarded

Mass., Holyoke—City let contract steel and concrete foot bridge to LOUIS J. SIELING, 171 Madison Ave., New York. About $18,371. Noted Aug. 3.

Conn., Windsor—City let contract steel railroad bridge to UNITED CONSTRUCTION CO., Albany, N. Y. About $20,000.

N. Y., Cuba—Erie R.R. Co. let contract viaduct over Orchard St. Creek to ROBERT GRACE CONSTRUCTION CO., Pittsburgh. About $50,000.

N. Y., Portage—County let contract bridge over Genessee River to CLEVELAND & SONS, Brockport. About $24,720.

Penn., Harrisburg—City let contract repairing Lyonsville bridge to McILVAIN & CO., Chambersburg.

Penn., New Castle—(Official)—County let contract rein.-con. bridge over Hitterbaguh Run, Hickory Township, to GEORGE AXE, New Wilmington, Penn. About $4,268.

Penn., Uniontown—County let contracts bridges as follows: LOUIS COSTA, Dickerson Run, 4 bridges, about $10,844; BROOKE & CORNISH, Uniontown, about $9,203; WHITTAKER & DIEHL, Harrisburg, about $5,286. Noted July 27.

N. C., Asheville—Buncombe County Comrs. let contract iron bridges to ROANOKE IRON AND BRIDGE WORKS, Roanoke.

N. C., Charlotte—City let contract bridge on Morehead St. over Sugar Creek to J. W. HAAS, Charlotte.

N. C., Raleigh—City let contract viaduct over tracks of Southern Ry. on West Martin St., concrete, to RALEIGH ENGINEERING AND CONTRACTING CO., Raleigh. About $30,601. Noted Aug. 3.

Ga., Gainesville—County let contract 2 steel bridges over Chattahoochee River to INTERNATIONAL BRIDGE AND IRON CO., Evansville, Ind. About $4,612. Noted Aug. 3.

Fla., Clearwater—Pinellas County Comrs. let contract bridge over Mullett Creek at Safety Harbor to J. B. McCRARY CO., Atlanta, Ga. Noted Mar. 30.

Ala., Heflin—(Official)—City let contract steel bridge over Tallapoosa River to DODSON & OLIVER, Montgomery. About $4,444. Noted Aug. 3.

Miss., Macon—County let contract 4 bridges to J. R. SCRUGGS CONSTRUCTION CO., Birmingham, Ala.

Ohio, Canton—(Official)—Stark County let contract Wabash Ave. bridge abutments over Sugar Creek to JACOB SCHISLER, Canton. About $4,631. Noted Aug. 10.

Ohio, Dayton—(Official)—County let contract Upper Miamisburg Bridge to I. E. SMITH, Richmond, Ind. About $49,512. Noted Aug. 3.

Ohio, Dayton—City let contract Jackson station bridge to DAYTON CONSTRUCTION CO. About $6,670.

Ill., Highland Park—See item under "Streets and Roads."

Ill., Quincy—Board Pub. Wks. received low bids for new bridge at 29th and Maine St. from Dempsey Construction Co., about $5,000 and Menke Stone and Lime Co., stone, about $4,642, rein.-con., $4,693.

Wis., Beloit—City Bridge Com. rejected bids for Rock River bridge on 4th St. G. E. Heebink, City Engr. Noted Apr. 27.

Iowa, Charles City—County let contract 4 bridges to C. E. HUGHES, Charles City. About $11,857.

Iowa, Council Bluffs—City let contract Oakland bridge over Nishnabotna River on White Pole Rd. to F. E. MARSH & CO., Des Moines. About $7,254.

Iowa, Elkader—City received low bids for culverts from A. C. Boyle, McGregor, about $11,800; Dubuque B. B. Works, Dubuque, about $4,300.

Minn., Big Falls—City rejected bids for 2 bridges over Billy and Beaver Brooks.

Kan., Topeka—(Official)—County let contract Baltimore truss bridge over Soldier Creek to NOLLEN & ROACK, McFarland, about $12,950. Noted Aug. 3.

Mont., Miles City—(Official)—County let contract steel bridge over Sunday Creek to SECURITY BRIDGE CO., Billings. Noted July 27.

Ark., Marion—County Comrs. let contract temporary viaduct to connect Harahan Bridge with St. Francis Levee to BALL & PETERS, Little Rock. About $150,000. Noted July 27.

Tex., Dalhart—(Official)—County let contract steel bridge over Perice Draw near Texline to AUSTIN BROS., Dallas. About $4,600. Noted Aug. 3.

Okla., Claremore—County Comrs. let contract bridge across Verdigris River to MISSOURI VALLEY BRIDGE AND IRON CO., Leavenworth, Kan., about $20,727. Noted Mar. 2.

Okla., Tulsa—County Comrs. let contract 4 steel bridges to CANTON BRIDGE CO., Canton, Ill. About $6,800. Noted July 20.

Colo., Dolores—City let contract span bridge over Dolores River to MISSOURI VALLEY BRIDGE CO., Dallas, Tex. About $5,300.

Calif., Baird—State Highway Comn., Sacramento, let contract bridges in Shasta County to ROSS CONSTRUCTION CO., Sacramento. About $24,676. Noted July 27.

Calif., Berkeley—City let contract concrete culvert across Codornices Creek at Ordway St. to MICHAEL HEAFEY, 2320 McKinley St., Berkeley. Noted Feb. 10.

Calif., Oakland—Bd. Supvr. of Alameda County let contract bridge over Crow Cañon Creek to WESTERN CONSTRUCTION CO., Russ Bldg., San Francisco. Noted Feb. 3.

Calif., Santa Barbara—City let contract rein.-con. bridge across Zaca Creek at Station 565+50 to W. M. LEDBETTER, Pacific Electric Bldg., Los Angeles. About $5,965.

Calif., Santa Barbara—City received low bid for rain.-con. bridge over Zaca Creek, Station 562+50 from W. M. Ledbetter, Pacific Electric Bldg., Los Angeles. About $7,470.

Calif., Vialia—Bd. Supvrs. let contract section bridge across Kings River to W. A. KETTLEWELL & SON, Kingsburg. About $31,000.

WATER-WORKS

Proposed Work

Maine, Brewer—City plans municipal water system.

N. J., Trenton—City votes Sept. 5 on $30,000 bonds for filter plant. Noted June 22.

N. J., Whitehouse—Clinton Township Comm. granted Clinton Water Co. franchise for piping streets.

Penn., Muncy—See item under "Sewers."

Penn., Reynoldsville—Borough Council petitioned Pub. Ser. Com. for municipal water system.

D. C., Takoma Park—(Washington post office)—City soon receives bids for storage reservoir, 4,000,000-gal. capacity. H. Stevens, Union Trust Bldg., Washington, D. C., Engr. Noted Apr. 13.

Va., Bristol—City plans water system.

W. Va., Wheeling—City to vote Sept. 15 on $500,000 water bonds. Noted Apr. 20.

W. Va., Wheeling—City voted $30,000 filter plant bonds.

Fla., Brooksville—City retained Hiram McElroy, Tampa, Engr., to make plans for water system. About $15,000. Noted Feb. 24.

Miss., Brookhaven—City receiving bids Sept. 12 for well. A. B. Furlow, Clk.

Miss., Clinton—City defeated $7,500 bond issue for water-works. P. H. Rutherford, Supt. Noted July 13.

Miss., Plymouth—City making plans for pump and air compressor for water system. Thomas Watson Co., Majestic Bldg., Milwaukee.

La., Shreveport—City Coms. receiving bids Sept. 5 for pumping station and filter plant.

Tenn., Kingsport—City soon receives bids for water-works and sewer system. Knight & Quagle, Chattanooga, Engr.

Ky., Irvine—City plans water system. About $60,000.

Ky., Winchester—City votes in November on $180,000 water bonds.

Ohio, Cleveland—Charles P. Jaeger Comr. Water, recommends sand filter plant. About $1,500,000.

Ohio, Cuyahoga Falls—City voted $60,000 sewer bonds.

Ohio, Mansfield—City sold $27,000 water meter bonds. Hoyt Johns, City Engr. Noted July 27.

Ohio, Ravenna—City sold $60,000 water bonds. J. S. Mallette, Supt. Noted July 27.

Ohio, Rocky River—(Official)—City rejected bids for water mains in North Ridge Rd. New bids Sept. 5. Frank Mitchell, City Clk. Noted Aug. 10.

Ohio, Tiffin—Tiffin Water Co. authorized to construct dam across river.

Ohio, Upper Sandusky—Upper Sandusky Water Works Co. plans filter plant. Chester & Fleming, Pittsburgh, Penn., Engr. N. Cronewitt, Supt.

Ohio, West Park—Town receiving bids Sept. 19 for $6,000 water bonds. D. W. Nichols, Clk. Noted July 27.

Mich., Flint—City voted $400,000 filter bonds. Noted Aug. 1.

Ill., Chicago—D. H. Maurey, Engr., 55 West Jackson Blvd., retained to make plans for rein.-con. reservoir, 5,000,000-gal. capacity. About $75,000.

Ill., Fischer—City plans water system and municipal electric-light plant.

Ill., Ladd—Village to let contract Sept. 15 for sinking 16-in. well. About $8,000.

Wis., Altoona—City soon to let contract for water system. C. J. Hayden, City Clk. Noted Aug. 10.

Water-Works (Continued)

Wis., Chilton—City receiving bids Aug. 29 for $45,000 water bonds. Noted Apr. 6.

Wis., Osceola—City votes in fall on $25,000 water bonds. F. D. Staples, Clk. Noted Feb. 24.

Iowa, Allison—City plans to extend water mains.

Iowa, Mapleton—City Council approved water mains in 7th St.

Iowa, Milton—City making plans for water system. Noted July 27.

Minn., Gaylord—See item under "Sewers."

Minn., New Ulm—City soon to let contract for water system. Noted Apr. 13.

Minn., West Minneapolis—(Minneapolis post office)—See item under "Sewers."

Minn., West St. Paul—(St. Paul post office)—(Official)—City retained J. F. Druar, Consult. Engr., St. Paul, to make plans for water system. About $40,000. Noted July 27.

Kan., Arlington—City votes Sept. 2 on $10,000 water bonds. Noted Apr. 6.

Kan., Ellis—City retained Black & Veatch, Kansas City, Mo., to make plans for improving water system. About $16,000. Ray C. Gall, Supt.

Kan., Kansas City—City retained Black & Veatch, Kansas City, Mo., to make plans for water system. About $25,000. David Douglas, Supt.

Neb., Johnson—City sold $9,000 water bonds. Noted July 6.

Neb., Scotia—City receiving bids Aug. 30 for water system and electric-light plant. About $15,000. Noted July 27.

Neb., Wayne—(Official)—City receiving bids Sept. 1 for extending water system. E. Murrill, Supt. Noted Aug. 17.

S. D., Chamberlain—City receiving bids Sept. 5 for artesian well. H. Douvall, Engr.

N. D., Fargo—City approved plans for water mains in Front St. About $17,000. A. R. Watkins, City Audr. F. L. Auders, Supt. and Dist. Engr.

Mont., Thompson Falls—Thompson Falls Water Co. plans rebuilding and enlarging distribution system.

Mo., Trenton—(Official)—City votes Sept. 5 on $30,000 filter bonds. J. B. Heney, Supt. Noted Aug. 3.

Ark., Newport—Arkansas Light and Power Co. plans water-works plant.

Tex., Cumby—Cumby Water Co. plans water and distributing system.

Tex., Kingsville—(Official)—City soon receives bids for well.

Tex., Maypearl—City to vote Sept. 9 on $7,000 water bonds.

Okla., Ardmore—City soon receives bids for water system. About $45,000. Noted Aug. 17.

Okla., Tulsa—City voted $180,000 water and filter bonds, and $50,000 bonds for water mains. M. Y. McFarland, Act. Supt.

Idaho, Buhl—City voted $11,000 water bonds.

Utah, Logan—City to vote Sept. 2 on $70,000 water improvement bonds.

Ariz., Globe—City Council plans municipal water system.

Wash., Davenport—Council plans well. About $4,000.

Ore., Oregon City—City authorized $18,000 water bonds.

Calif., Glendale—City plans purchasing 1,000 tons c.-i. pipe.

Calif., Los Angeles—City to vote Sept. 15 on $200,000 water bonds. Noted Mar. 23.

Ont., Hamilton—City Council plans water mains on Main St. About $11,468. S. H. Kent, Clk.

Ont., Hamilton—City plans to spend $100,000 for improving water system.

Ont., London—Public Utilities Coms. plans 6 new pumps for pumping station.

Que., Rougemont—City retained Fabius Riel, Water Engr. to make plans for concrete reservoir and dam.

Bids In and Contracts Awarded

N. Y., Oxford—Board Mgrs. Women's Relief Corps. Home let contract water supply for Relief Corps Home to SUBURBAN ENGINEERING CO., 15 West 38th St., New York. Noted July 27.

N. Y., New York—(Richmond)—(Official)—Comr. Water Supply, Gas and Electricity, Manhattan, received low bids Aug. 17 for water mains in various streets from J. McAvoy, 315 East 127th St., $17,695; Knight & DeMicco, $18,762; Murphy Bros., $19,337. Noted Aug. 10.

Va., Richmond—City let contract water pipe, etc., to LYNCHBURG FOUNDRY CO., pig lead to HUNTER B. FRISCHKORN. About $20,000. Noted Aug. 3.

Ohio, East Youngstown—(Official)—City let contract water system to HENDERSON CONSTRUCTION CO., Youngstown. About $153,000.

Ohio, Upper Sandusky—Local Water Co. let contract fire pump to GOULDS MANUFACTURING CO., Seneca Falls, N. Y.

Minn., Clarksfield—City let contract water mains to J. N. SILVER & CO.

Minn., Lake City—City let contract extending water mains to W. D. LOVELL, 1415 Southeast 8th St., Minneapolis, $5,900.

Minn., Westbrook—City let contract extending water mains to REDDING & SMAAGE, Windom.

Kan., Osborne—(Official)—City let contract extending water system to DES MOINES BRIDGE AND IRON CO., Des Moines, Iowa, $9,312. Noted Aug. 3.

Neb., Omaha—Water Bd. let contract pumping station on Walnut Hill to JOHN H. HARTE & SON. About $36,000. A. B. Hunt, Supt.

N. D., Kildeer—City let contract water system to HAGGART CONSTRUCTION CO., Fargo.

Mont., Glasgow—City let contract water and electric-light plant to C. H. KEELY, Kalispell. About $26,630. Noted Aug. 3.

Mont., Hinsdale—City let contract water system electric-light plant to C. H. KELLY, Kalispell. About $26,650. Noted July 6.

Calif., San Francisco—City let contract 5 tunnels on line of Lower Cherry Power Development on Hetch Hetchy project to MacARTHUR BROS. CO. About $53,785.

Ont., Cobourg—Provincial Hydro-Electric Co. let contract 24-in. pipe to J. E. RUSSELL, 307 Logan Ave., Toronto.

Ont., Stratford—City let contract steel water tower to CHICAGO BRIDGE AND IRON CO., 37 Van Buren St., Chicago. About $23,000.

Sask., Saskatoon—(Official)—City let contract water main under river to L. O. BEAN, Saskatoon. About $19,753. Noted June 29.

SEWERS

Proposed Work

N. H., Manchester—See item under "Streets and Roads." Noted Aug. 3.

Mass., Holyoke—City plans sewer in portion South Canal St. T. J. McCarthy, City Engr.

Conn., Bridgeport—Paving and Sewer Com., Room 12, City Hall, receiving bids Sept. 6 for sewers in Railroad and Bostwick Ave. Noted July 6.

N. Y., New York—(Queens)—M. E. Connolly, Borough Pres., receiving bids Aug. 29 for sewers in Hughes St., 2nd ward, Benedict Ave., 4th ward, Queens Ave., 3rd ward, Chichester, Oxford, Portland, Herald, Guion and Atlantic Ave., 4th ward, and Shaler St., 2nd ward.

N. Y., Port Jervis—City plans voting bonds for sewers.

N. J., Hackensack—(Bogata)—(Official)—Borough Council, Bogata, receiving bids Aug. 25 for sewers. C. Potts, 30 Church St., New York, Engr. (See adv. Aug. 17 isue.)

Penn., Muncy—State Industrial Home for Women plans sewer and water systems. Albright & Mebus, Engr.

Penn., New Castle—City soon to receive bids for sanitary sewer in Sampson St. C. H. Milholland, City Engr.

Penn., South Bethlehem—City made plans for sewage plant. H. J. Hirst, Philadelphia, Sanitary Engr.

Md., Sparrows Point—Bethlehem Steel Co. plans sewer system. Norton, Bird & Whitman, Munsey Bldg., Engr.

Tenn., Kingsport—See item under "Water-Works."

Ohio, Cleveland—County Comrs. receiving bids Sept. 16 for sewers in West 25th, West 28th St., Church, Vernon Ave. and across Superior Viaduct to Detroit Ave. E. G. Krause, Clk.

Ohio, Greenville—City sold $20,000 sewer bonds.

Ohio, Lakewood—City plans intercepting sewer in Sloan and Lake Ave. and Clifton Pike, Route D. About $23,000. E. A. Fisher, City Engr.

Ohio, Lebanon—Infirmary Bldg. Com. receiving bids Aug. 28 for infirmary sewer. J. A. Runyam, Pres.

Ohio, Rocky River—City receiving bids about Oct. 1 for sewage treatment plant and sewer system. About $85,000. R. W. Pratt, 708 Hippodrome Bldg., Cleveland, Engr.

Ohio, Wapakoneta—City voted $40,000 sewer bonds.

Ohio, Youngstown—City made plans for sewer in Hulda St. F. N. Lillie, City Engr.

Ind., Alexandria—Common Council receiving bids Sept. 4 for sewers.

Ind., North Vernon—City receiving bids Aug. 26 for sanitary sewer in Madison Ave. E. E. Olcott, City Clk.

Mich., Alma—City plans extending sewers. About $35,000.

Mich., Big Rapirs—Council approved plans for sewers.

Mich., Escanaba—City plans sewer system. W. J. McDonald, City Engr.

Mich., Flint—City making plans for sanitary sewers on Lippincott Blvd., Warner, Dwight and Crocker Ave. E. C. Shoecraft, Engr.

Mich., Pontiac—City made plans for sewers in Judson, Prospect and Cannon St. W. J. Fisher, City Engr.

Mich., Royal Oak—City making plans for storm sewers in Center St. Southern Michigan Engineering Co., Dondero Blk., Royal Oak Engr.

Ill., Cairo—City plans sewer system. J. H. Connell, City Engr.

Ill., East St. Louis—City making plans for sewer system in Winstonley Ave. About $19,400. J. M. Griffin, City Clk.

Ill., Niles Center—City soon receives bids for storm and sanitary sewers. About $55,000. H. L. Emerson 133 West Washington St., Chicago, Engr. G. Klemm, Mayor.

Ill., Nokomis—City plans sewer system and septic tank. About $25,000. D. M. Maury, 53 West Jackson Blvd., Chicago, Engr. J. Weinstein, Mayor.

Ill., Rockford—City making plans for sewers in Rural and Highland St. About $18,500. W. H. Bennett, Pres. Bd. Local Imprvts.

Ill., Springfield—City to make plans for Washington Park sewer. Wade D. Seeley, City Engr.

Ill., Streator—City election soon to vote $19,500 sewer bonds. F. Rentz, City Engr.

Ill., Taylorville—Citizens defeated $30,000 sewer bonds.

Ill., Witt—(Official)—Bd. Local Imprvts. receiving bids about Nov. 1 for sanitary sewers. About $10,000. Warren Engineering Co., Powers Bldg., Decatur, Engr. Noted Aug. 10.

Wis., Manitowoc—City receiving bids Aug. 27 for storm sewers in Huron St. J. Kelly, City Clk.

Wis., Neenah—City plans sewers in Main, Lake and Oak St. A. E. McMahon, Engr.

Iowa, Creston—City plans sewers in Sumner Ave., and Southwest Poplar St. F. S. De Lay, City Engr.

Iowa, Oxford—City defeated proposition for sewers.

Minn., Gaylord—(Official)—City retained J. F. Druar, Consult. Engr., St. Paul, to make plans for sewer and water system. About $4,000. A. H. Kuehner, Village Recdr.

Minn., Luverne—Council plans extending sewer system.

Minn., West Minneapolis—(Minneapolis post office)—(Official)—City retained J. F. Druar, Consult. Engr., St. Paul, to make plans for sewer and water extensions. E. A. Close, Recdr.

Wyo., Worland—City voted $15,000 sewer bonds, and $25,000 water bonds. Benham Engineering Co., Oklahoma, Okla., Engr.

Mont., Hardin—City soon to let contract for trunk-line sewer. About $30,000.

Okla., Crodell—City voted $25,000 sewer bonds. Noted Aug. 10.

Ore., Ashland—City soon to let contract for sewers in Laurel and other streets. About $12,000. C. B. Gillette, City Recdr. Noted June 22.

Ore., Portland—City soon to let contract for sewers in East 44th, East 45th, East Davis and East Pine St. and Montgomery Drive. A. L. Barbour, City Audr.

Calif., Folsom City—City voted $20,000 sewer bonds. Noted July 13.

Calif., Fresno—City receiving bids Sept. 5 for intercepting and outfall sanitary sewer. B. E. Cronkite, City Engr. Noted Aug. 10.

Calif., Ione—Town officials plans sewer system.

Calif., Los Angeles—City soon to let contract for sewer in Florence Ave. About $100,000. Homer Hamlin, City Engr.

Calif., Sacramento—Board Health ordered sewer in 24th St. F. C. Miller, City Engr.

Que., Sherbrooke—City making plans for concrete and trunk sewers. Thomas Tremblay, City Engr.

Bids In and Contracts Awarded

Mass., Boston—(Dorchester)—(Official)—City let contract sewerage works to DADDARIO & BOOTH, 49 Edgewater Dr., Mattapan, $12,014.

Conn., Naugatuck—City let contract sewer in Tolland St. to E. P. TRACY, Derby. About $16,000.

N. Y., Batavia—(Official)—City let contract sewage pump station to WARSAW CONSTRUCTION CO. Chester & Fleming, Pittsburgh, Penn., Engr.

N. Y., Buffalo—(Official)—City let contract sewers in Amherst, Berkshire and Stockbridge St. to DARK & CO. Noted Aug. 10.

N. Y., Mt. Kisco—(Official)—Bd. Trustees let contract sewers in Railroad Ave. to F. G. FOWLER CONSTRUCTION CO., Mt. Kisco. About $4,680. Noted Aug. 10.

N. Y., New York—(Queens)—Lowest bids received Aug. 16 for sewers in Lurting St., Alstyne and Junction Ave., 2nd ward, Clancy & Van Alst, $196,963; Woodbine St. and Prospect Ave., Green Contracting Co., $5,135; Collins Ave., Adriatic St. and Fresh Pond Rd., Dicola & Martino, $108,639; Forbes, Dunsing and Clarence St. and Jackson Ave., Kenmore Contracting Co., $32,025. Noted Aug. 10.

N. Y., New York—(Queens)—City let contracts sewers, Fairview, Maure, Guion and Atlantic Ave. and Birch St. to F. L. PAINO; Woodmere Pl. to H. BRITTON; Kossuth Pl. and Forest Ave. to PEACE BROS.; Church St., to E. W. FITZPATRICK; Felix St., to J. C. SCHRADE. Noted Aug. 3.

N. J., Hoboken—(Official)—City let contract sewers in 7th, 11th and 15th St. to HOBOKEN CONSTRUCTION CO., 54 5th St., Hoboken, $970,-222. Noted Aug. 10.

N. J., Ridgefield Park—(Official)—Bd. Comrs., Municipal Bldg., 232-34 Old Hackensack Rd., let contract sewers, treatment works to CARRINGTON CONSTRUCTION CO., 7 Priest St., Jersey City, $101,278. Noted July 20.

Penn., Beaver—City rejected bids for sewage system. Noted Apr. 6.

Sewers (Continued)

Penn., Harmony—City let contract sanitary sewers to J. I. DICK.

Miss., Laurel—City let contract sewers in Cotton Mill addition to S. A. CARNES.

Ky., Louisville—Board Pub. Wks. let contract for sewers to HENRY BICKEL. About $8,000. D. R. Lyman, City Engr.

Ohio, East Liverpool—City let contract sanitary sewers to J. B. REED CO., McKeesport, Penn., $7,723 and storm sewers to BURNS BROS., New Castle, Penn., $6,729.

Ohio, Middleton—City let contract storm and sanitary sewer to R. SIMPSON CO. C. E. Morrison, City Engr. Noted July 27.

Ohio, Toledo—(Official)—Bids received Aug. 14 for sanitary sewer No. 28 in Main Sewer Dist. No. 4 from J. N. Bick, Toledo, $152,389, and Dawn Construction Co., Cleveland, $146,541. L. A. Bonlay, Toledo, County Sanitary Engr. Noted Aug. 10.

Mich., Larium—City let contract sewer in several streets to J. CHATEL.

Ill., Ashton—City let contract sewer and sewage systems to J. M. EGAN, Jr., Aurora. About $33,331.

Ill., Winnetka—City let contract sanitary sewer in Elm and Berkeley St. to J. BAKER, Oak Park.

Wis., La Crosse—City let contract sewers in Rose, Kane and 11th St. to OLAF SWENNER, 414 North 14th St.

Wis., Wauwatosa—City let contract sewers to M. SYNOVETZ, 944 2nd Ave., Milwaukee.

Iowa, New Hampton—(Official)—City let contract sewage plant to WILLIAM C. FRASEN, St Paul, Minn. About $28,000. Noted Aug. 3.

Minn., Albert Lea—City let contract sewer to ILLSTRUP & OLSON, 303 West 49th St., Minneapolis, $13,161.

Minn., Claremont—(Official)—City to let contract Aug. 30 for sewer and sewage plants. A. C. Hinckley, Village Recdr. Noted June 15.

Minn., Rochester—City let contract sewer in 7th St. to ADOLPH KRUGER.

Kan., Hutchinson—(Official)—City let contract North Main St. district sewer to C. M. GRAY, Monett, Mo., $31,522. Noted Aug. 3.

Kan., Nickerson—City let contract sewers to J. H. SHEARS & SONS, Hutchinson. Noted July 20.

S. D., Bridgewater—(Official)—City let contract storm water sanitary sewers to F. R. LUBKER, Bridgewater.

Tex., Arlington—City let contract sewer system and extending septic tank to W. C. WEEKS, Arlington. About $9,749. Noted July 20.

Tex., Corsicana—City let contract sewage plant to HEALEY CONSTRUCTION CO., $18 439.

Tex., Marlin—City soon lets contract for sewers and sewage system. About $45,000. A. Goodrich, City Engr. Noted Aug. 17.

Calif., Richmond—City Council let contract sewer to F. R. RITCHIE & CO., Chronicle Bldg., San Francisco, $20,000.

Calif., San Jose—City received low bid for sewers from Schuyler & Edwards, Box 847, Stockton. About $6,633.

Calif., Stockton—City Council let contract storm sewer in Edison, Harrison, Lincoln and Jefferson St. to W. S. GAUSE, 15 Park Way, Oakland, $6 477.

GARBAGE

Proposed Work

Penn., Sharpsville—Borough retained Chester & Fleming, Engr., Union Bank Bldg., Pittsburgh, to make plans for garbage incinerator.

Ohio, Columbus—Council passed Ordinance to issue $30,000 bonds for garbage reduction plant.

Mo., Hannibal—City plans garbage incinerator. B. F. Smiley, City Engr.

STREETS AND ROADS

Proposed Work

N. H., Manchester—City sold $200,000 street and sewer bonds.

Mass., Pittsfield—City plans extending Silver Lake Blvd.

Conn., Bristol—City plans concrete curb on Hull St.

N. Y., Buffalo—City Council plans paving portion Broadway Market. About $8,000.

N. Y., New York—(Richmond)—C. D. Van Name, Borough Pres., receiving bids Aug. 29 for paving portion Amboy Rd.

N. Y., Union—City plans paving North St. George Hills, Village Clk.

N. J., Bound Brook—Bd. Freeholders plans improving Bound Brook-Washington Valley Rd. About $50,000.

N. J., Hackensack—Joint Rd. Com. of Bergen and Hudson Counties, Hackensack, receiving bids Sept. 5 for improving Belleville Turnpike. T. J. Wasser, County Engr.

N. J., Hammonton—(Official)—City soon to receive bids for road work. About $30,000. Remington & Vosbury, 6th and Market St., Camden, Engr. Noted Aug. 3.

N. J., Irvington—City passed ordinance for improving Laurel Ave.

N. J., Plainfield—(Official)—City receiving bids Sept. 5 for improving Ravine Rd., Leland, Stella and Kensington Ave. and Lake St., macadam. A. J. Gavett, City Engr. Noted Aug. 3.

N. J., Tenafly—Bd. Freeholders plans improving portion Clinton Ave.

N. J., Trenton—City to sell $66,000 paving bonds. R. J. Fell, Jr., City Engr.

N. J., Vincentown—Tabernacle Township plans gravel road. About $25,000. James Logan, Mt. Holly, Engr.

Penn., Ardmore—Board Comrs. voted $30,000 for road improvements.

Penn., Ferndale—Borough Council passed ordinance to improve Henry St. and Glenwood Ave. Address Clk.

Penn., Hughesville—Borough receiving bids Sept. 4 for 5,000 sq.yd. paving. W. C. Fulmer, Secy.

Penn., Philadelphia—Bd. Pub. Wks. soon lets contract for repaving Richmond and Venango St. and Point Breeze Ave. C. Albright, City Engr.

Penn., Williamsport—City receiving bids Sept. 1 for resurfacing central section of city. About $55,000. George K. Harris, Supt. City Highway Dept.

Md., Monkton—County Comrs. plan improving road between Monkton and Manot. Address County Clk., Baltimore.

Va., Norfolk—City plans improving streets. About $300,000. Walter H. Taylor, Jr., City Engr.

W. Va., Clarksburg—Council appropriated $8,000 for paving West Pike St.

W. Va., Fairmont—City plans paving Morgantown Ave. About $13,000.

W. Va., West Union—County voted $175,000 bonds for improving roads. Hiram Houston, West Union, County Clk.

N. C., Fayetteville—Cumberland County sold $25,000 road bonds. Address County Clk., Fayetteville. Noted Aug. 17.

N. C., Lenoir—County voted $50,000 road bonds. Address County Clk., Lenoir. Noted Jan. 20.

N. C., Wilkesboro—Wilkes County plans to vote on $250,000 road bonds. Address County Clk., Wilkesboro.

Fla., Lakeland—City plans 7 mi. brick and asphalt streets.

Fla., Lakeland—Polk County sold $1,500,000 road bonds. J. A. Johnson, Bartow, County Clk. Noted July 27.

Fla., Miami—Dade County, Dist. No. 1, issued $92,000 road and street bonds.

Fla., Palatka—Putnam County Road and Bridge Dist. No. 3 sold $80,350 bonds for road from Rodman to Orange Springs, about 21 mi. Address County Clk., Palatka. Noted Apr. 13.

Ala., Piedmont—City voted $5,000 bonds for highway on Ladiga St. J. C. Lay, Jr., Clk.

Miss., Friars Point—Bd. Comrs. Conhoma County receiving bids Sept. 4 for about 80 mi. gravel roads. T. S. Adderholt, Friars Point, Pres. L. W. Washburn, Clarksdale, Engr.

Miss., Holly Springs—Comrs. Holly Springs and Mt. Pleasant Counties receiving bids Sept. 5 for 2 mi. concrete roads, 34 mi. gravel roads, 35 mi. sand clay roads, 2,670 cu.yd. bridge concrete, 900 lin.ft. creosoted pine bridges and 8,500 lin.ft. pipe culverts. Appropriation of $262 000 made. W. G. Kirkpatrick, 704 Farley Bldg., Birmingham, Ala., Engr.

Miss., Holly Springs—Marianna Rd. Dist. Comm. to let contract in October for about 15 mi. road in Marshall County. W. G. Kirkpatrick, 704 Farley Bldg., Birmingham, Ala., Engr.

Miss., Jackson—County Suprvrs. plan to issue $70,000 highway bonds.

Miss., Raymond—Hinds County authorized $70,000 road-bond issue. Address County Clk., Raymond.

La., Alexandria—City sold $110,000 road bonds.

La., Baton Rouge—Election Sept. 26 in Third Ward to vote on $130,000 road bonds. Address Police Jury, Baton Rouge.

La., Lake Charles—City to vote Sept. 12 on $900,000 road bonds.

La., Melville—City voted $40,000 bonds for road between Melville and Ravenswood.

La., Monroe—Quachita Parish sold $500,000 road bonds. W. A. Kelley, Monroe, Clk. Police Jury. J. W. Billingsley, Interstate Bank Bldg., New Orleans, Consult. Engr. Noted Aug. 3.

La., Opelousas—St. Landry County, First Rd. Dist., to sell $18,500 road bonds Sept. 4. J. J. Healey, Opelousas, Clk. Police Jury.

La., Pleasant Hill—City voted $30,000 bonds for road between DeSota Parish line and Natchitoches Parish line.

Tenn., Paris—County defeated $250,000 road bonds. Address County Clk., Paris. Noted July 20.

Ky., Benton—Marshall County to vote on $100,000 road bonds.

Ky., Jenkins—(Official)—Consolidated Coal Co. plans 4,420 sq.yd. concrete paving, 3,900 lin.ft. curb and gutters and 9,500 sq.ft. cement walks.

Ky., Warsaw—County voted $50,000 road bonds. Address County Clk., Warsaw.

Ohio, Akron—Summit County to sell $20,529 road bonds Sept. 5. H. G. High, Akron, County Clk.

Ohio, Akron—City Council passed ordinance to improve portion Brook St. J. A. Gehres, City Engr.

Ohio, Bellefontaine—Citizens voted $20,000 street-improvement bonds. C. A. Inkeep, Dir. Pub. Ser.

Ohio, Brooklyn Heights—(Cleveland post office)—City plans grading and sidewalks. About $17,155. F. Lander, 306 American Trust Bldg., Cleveland, Engr.

Ohio, Brookside—(Bridgeport post office)—Village receiving bids Sept. 2 for paving Brookside Ave. W. C. Fawcett, Martins Ferry, Engr.

Ohio, Bryan—Council sold $14,000 street-improvement bonds.

Ohio, Cincinnati—Council passed ordinance to pave portion Jones St., asphalt or bitulithic. F. Krug, City Engr.

Ohio, Cincinnati—Council will authorize Park Dept. to spend about $75,000 on roads and improvements. F. Krug, City Engr.

Ohio, Cincinnati—Council passed ordinance to issue $57,700 bonds for improving Eureka Terrace, Warsaw and Elland Ave. and other streets. F. Krug, City Engr.

Ohio, Cincinnati—City plans sidewalks on Plain, 4th and 5th St. and Opera Pl. F. C. Krug, City Engr.

Ohio, Cincinnati—(Official)—City lets contract improving May St. some time next year. F. Krug, City Engr. Noted July 6.

Ohio, Cincinnati—(Official)—City soon receives bids for improving Eastern Ave. About $500,000. F. Krug, City Engr. Noted July 6.

Ohio, Cleveland Heights—(Warrensville post office)—City receiving bids Sept. 18 for sale of $101,220 street-improvement bonds. H. H. Canfield, Clk.

Ohio, Defiance—Defiance County to sell $19,500 road bonds Aug. 28. R. Daoust, Defiance, Audr.

Ohio, Kenton—County Comrs. receiving bids Aug. 30 for road improvements. U. J. Pfeiffer, Kenton, Comr. Noted Apr. 6.

Ohio, McComb—City receiving bids about Sept. 1 for paving and curbing Perrin St. F. L. Stroke, Clk.

Ohio, Marion—City receives bids in fall for improving portion Chase St. E. S. Oult, City Engr. Noted July 20.

Ohio, Marietta—City Council passed resolution to pave portion Mulberry and Montgomery St.

Ohio, Marysville—Village to sell $14,000 highway bonds Sept. 4. I. T. Southard, Clk.

Ohio, Matamoras—(New Matamoras post office)—(Official)—Village receiving bids Sept. 6 for paving several streets, brick or concrete. W. P. Mason, 406 German Bank Bldg., Marietta, Engr.

Ohio, Port Clinton—City sold $11,000 street-improvement bonds.

Ohio, St. Bernard—(Cincinnati post office)—City receiving bids Aug. 26 for $50,000 street-improvement bonds. William Taylor, City Audr.

Ohio, Tiffin—City soon to receive new bids for repaving North Washington St. Noted Aug. 17.

Ohio, Uhrichsville—City made plans for paving Deersville Ave. About $16,000. George Arnold, 115 Broadway, New York, Engr.

Ohio, Washington—Court House—Dir. Pub. Ser. receiving bids Sept. 1 for paving portion of Lewis St. James Hillery, Dir. Noted June 15.

Ohio, West Unity—City sold $14,000 street-improvement bonds.

Ohio, Worthington—Town receiving bids Sept. 11 for sale of $9,500 street-improvement bonds. W. P. Vest, Clk.

Ohio, Xenia—(Official)—City receiving bids Sept. 12 for $5,000 bonds for paving Rogers St., $10,000 for East Main St., $40,000 for West St. C. F. Logan, City Audr. J. P. Shumaker, City Engr.

Ohio, Xenia—(Official)—Dir. Pub. Ser. receiving bids Aug. 29 to curb and pave East Main, Monroe and Collier St. with brick or asphalt. About $80,000. J. P. Shumaker, City Engr. C. W. Whitmer, Dir. Noted July 6.

Ohio, Youngstown—City plans paving portion Alice St. F. M. Lillie, City Engr.

Ind., Albion—County Comrs. receiving bids Sept. 5 for gravel road in Green Township. George A. Young, Albion, County Audr.

Ind., Auburn—County Comrs. receiving bids Sept. 6 for gravel road in Franklin Township. S. P. Nelson, Auburn, County Audr.

Ind., Bedford—County Comrs. receiving bids Sept. 5 for gravel or macadamized road in Shawwick Township. Ezra W. Edwards, Bedford, County Audr.

Ind., Columbia City—County Comrs. receiving bids Sept. 6 for roads in various townships. Thomas A. McLaughlin, Columbia, County Audr.

Ind., Corydon—Harrison County receiving bids Sept. 7 for gravel or macadam road on Washington-Heth Township line. J. L. O'Bannon, Audr.

Ind., English—County Comrs. receiving bids Sept. 5 for rock road in Monroe Township. Joseph B. Enlow, English, County Audr.

Ind., Fowler—County Comrs. receiving bids Sept. 4 for road in Hickory Rd. Township. Warren Mankey, Fowler, County Audr.

Streets and Roads (Continued)

Ind., Frankfort—(Official)—County sold $15,720 road bonds. Address County Clk., Frankfort. Noted Aug. 10.

Ind., Frankfort—Clinton County receiving bids Sept. 7 for 4 gravel roads in Center and Madison Townships.

Ind., Indianapolis—City sold $40,000 highway bonds.

Ind., Jeffersonville—County Comrs. receiving bids Sept. 4 for crushed limestone and screenings road in Charleston Township. George W. Stoner, Jeffersonville, County Audr.

Ind., Paoli—County Comrs. receiving bids Sept. 4 for 2 roads in Jackson Township. E. A. Palmer, Paoli, County Audr.

Ind., Petersburg—County Comrs. receiving bids Sept. 5 for rock road in Monroe Township. John D. Grey, Petersburg, County Audr.

Ind., Rensselaer—County Comrs. receiving bids Sept. 5 for stone road in Marion and Kankakee Township. J. P. Hammond, Rensselaer, County Audr.

Ind., Scottsburg—County sold $18,200 road bonds.

Ind., Shelbyville—Shelby County receiving bids Sept. 6 for gravel and concrete road in Hanover Township. F. W. Fagel, Shelbyville, Audr.

Ind., Shoals—County Comrs. receiving bids Sept. 4 for 2 roads in Halbert Township. L. D. Haga, Shoals, County Audr.

Ind., Valparaiso—County Comrs. receiving bids Sept. 4 for gravel road in Center Township. C. A. Bachly, Valparaiso, County Audr.

Ind., Vernon—County Comrs. receiving bids Sept. 4 for crushed-stone road in Vernon Township. J. G. Bernhart, Vernon, County Audr.

Ind., Warsaw—County Comrs. receiving bids Sept. 7 for roads in Jefferson, Van Buren and Scott Townships. Ernest A. Smith, Warsaw, County Audr.

Ind., Washington—County Comrs. receiving bids Sept. 5 for gravel road in Elmore Township. Jacob G. Clark, Washington, County Audr.

Ind., Winchester—County Comrs. receiving bids Sept. 4 for 2 stone roads in White River Township. Address County Clk., Winchester. Noted June 22.

Mich., Menominee—City soon receives bids for rein.-con. paving on Stephenson Ave., curb and gutter on State St., sidewalks on various streets. F. S. Norcross, City Clk.

Ill., East St. Louis—City making plans for paving Frendly and 8th St. About $32,420 and $10,000. Charles Gardner, Pres. Bd. Local Impvts.

Ill., East St. Louis—Council passed ordinance for paving Missouri Ave. with brick.

Ill., Jordan—(Official)—Comr. Highways, Sterling, rejected bids for gravel roads and culverts in Whiteside County. V. N. Taggett, Morrison, County Supt. Highways. Noted Aug. 10.

Ill., Rockford—City making plans for paving North Main St. W. H. Bennett, Pres. Bd. Local Impvts.

Ill., Rock Island—City making plans for paving portion of 27th St. William McConochie, Chn. Bd. Local Impvts.

Ill., Wheaton—Board Local Improvements receiving bids Sept. 1 for about 13,000 sq.yd. bituminous bound macadam pavement and 12,000 lin.ft. concrete curb and gutter. L. J. Ruddock, City Engr. Noted Aug. 3.

Ill., Witt—(Official)—City to receive bids about Nov. 1 for 8,000 sq.yd. concrete paving and curbing. Warren Engineering Co., Powers Bldg., Decatur, Engr. Noted Aug. 10.

Minn., St. Paul—Council authorized paving portion of Grand Ave. About $124,849. Oscar Clausen, City Engr.

Kan., Augusta—Council passed resolution for paving with brick 11 blocks on State, 3rd and High St.

Kan., Emporia—City passed ordinance for paving several streets. Fred H. Smith, City Clk.

Kan., Neodesha—City passed resolutions for paving streets. J. J. Carroll, Clk.

Kan., Sterling—City passed resolution to improve several streets.

Neb., Nebraska City—(Official)—City to receive bids some time next year for 3-mi. paving. C. A. Shannon, City Engr. Noted Aug. 10.

Mo., Adrian—East Boone Township voted $6,000 road bonds. Frank Holland, Butler, County Clk.

Mo., Carterville—City plans to pave portion Main St., concrete. A. M. Baird, City Clk.

Mo., Joplin—City plans paving portion Joplin St. and Highland Ave. J. D. Hodgdon, Comn. Streets.

Ark., Black Rock—Lawrence County made plans for macadam road, Dist. No. 2. About $14,000. Address County Clk., Powhatan.

Ark., Forest City—State Highway Comrs. plan gravel road. About $250,000.

Ark., Lonoke—County Comrs. plans 3½ mi. macadam and 5 mi. bituminous macadam. About $25,000. Hugh R. Carter, Little Rock, State Highway Comr.

Ark., Pine Bluff—Rd. Comrs. plan improving Road in Dist. No. 16. About $6,500.

Ark., Wynne—State Highway Dept. received plans for gravel roads. About $85,000.

Tex., Bonham—Fannin County voted $135,000 road bonds. Address County Clk., Bonham. Noted July 20.

Tex., Dalas—City Comn. appropriated $6,000 to widen portion Young St. About $13,395.

Tex., Dallas—Council authorized paving Ash Lane and Gould St., vibrolithic. H. Moseley, City Engr.

Tex., Ector—City voted $35,000 road bonds.

Tex., Ft. Worth—See item under "Sewers."

Tex., Kaufman—Kaufman County to vote on $45,000 road bonds.

Tex., Lanier—City voted $12,000 road bonds.

Tex., Terrell—City plans to improve West Moore Ave. H. Brewster, City Engr.

Okla., El Reno—Canadian County to let contract for road grading about Sept. 15, about $10,000.

Idaho, Boise City—City receiving bids Aug. 29 for sale of $29,285 road bonds.

Utah, Salt Lake City—(Official)—City receiving bids Aug. 31 for grade, curb and gutter portion of A St. About $4,946. S. Q. Cannon, City Engr. Noted June 8.

Wash., Sumner—City soon to let contract for paving. About $26,015. W. P. Wood, City Engr. Noted July 27.

Ore., Astoria—City plans to hard-surface Klatskanie Ave. J. T. McCrean, City Engr.

Ore., Eugene—County soon to receive bids for 8,895-ft. macadam road to Mohawk Valley, 5,830-ft. macadam on Eugene-Elmira Rd., also 5,200-ft. dirt road. Address County Clk., Eugene.

Calif., Chino—City retained P. C. Kressly, Inglewood, to make plans for street and road construction; bonds for $75,000 voted for same. Noted Apr. 6.

Calif., Fowler—City soon lets contract for paving 8th St., concrete. C. P. Jansen, Fresno, Engr. Noted June 29.

Calif., Los Angeles—(Official)—City soon to receive bids for paving portion West 1st St. H. Hamlin, City Engr. Noted July 27.

Calif., Los Angeles—City receiving bids Sept. 15 for asphalt pavement on Boyle Ave. H. Hamlin, City Engr. Noted June 22.

Calif., Santa Barbara—(Official)—City receiving bids Sept. 7 for paving portion Anacapa and Valerio St., asphalt. A. B. Cook, City Engr.

Calif., Santa Barbara—(Official)—City receiving bids Sept. 21 for paving portion Mission Ridge Rd., about 2 mi., oil and screenings wearing surface, together with ¾-mi 6-in. pipe sanitary sewer, catch basins, retaining walls, etc. A. B. Cook, City Engr.

Calif., Santa Paula—City made plans for paving various streets. About $1,000 000. E. M. Lynch, Glendale, City Engr. Noted June 22.

Bids In and Contracts Awarded

Maine, Bath—City let contract granolithic sidewalks to JOHN GRADY & SON, 26 Central St., Bangor. About $20,000.

Mass., Boston—(Official)—City let contract paving Harrison Ave. to WILLIAM BARRETT & CO., 27 Hunneman St, Roxbury. About $15,183.

Mass., Brookline—Selectmen rejected bids for paving Pearl St. E. A. McEttrick, Secy. Noted July 27.

Mass., Salem—(Official)—City let contract artificial stone sidewalks to HOLLAND CONSTRUCTION CO., Lawrence, about $1.39 sq.yd.

Conn., New Haven—City let contract paving between New Haven and Derby to DALEY CONSTRUCTION CO. About $35,000.

Conn., Windsor Locks—City let contract road to L. SUZIO CONSTRUCTION CO., Meridan.

N. Y., Albany—(Official)—State Highway Comn. 55 Lancaster St. let contracts constructing and repairing highways in various counties as follows: Road No. 5,155, Albany, Guilderland, Albany County, 5.37 mi. F. B. VAN WAGENEN, Rondout, $11,935. Road No. 1,054, Alden, Darien Center, Genesee County, 3.88 mi. FRANK D. VAN HORN, New York, $20,274. Road No. 5,582, Leroy, Pavilion, Part 2, Genesee County, 4.53 mi. WILLIAM J. KIDD, New York, $44,893. Road No. 1,098, Eagle Bay, Sixth Lake, Hamilton County, 4.22 mi. R. A. KELTON, Albany, $35,020. Road No. 5,563, Lockport, McNalls, Niagara County, 5.07 mi. FRANK D. VAN HORN, New York, $62,709. Road No. 986, Fosterdale, Mongaup Valley, Sullivan County, 10.97 mi. FRANK D. VAN HORN, New York, $34,102. Road No. 1,109, Cambridge, Ash Grove, Washington County, 2.09 mi. LYDEN CONSTRUCTION CORPORATION CO. Albany, $18,981. Repair Contract No. 995, Cayuga County, 2.76 mi. McGREEVEY, McGUIGAN & BAUM, Elmira, $24,013. Repair Contract No. 797, Clinton County, 7.34 mi. R. A. KELTON, Albany, $17,214. Repair Contract No. 998, Clinton County, 12.83 mi. DEFIANCE CORPORATION, Ticonderoga, $4,664. Repair Contract No. 1,003, Cortland County, 0.42 mi. NASH & GRIFFIN, Norwich, $4,945. Repair Contract No. 959, Delaware County, 1.57 mi. FEDERAL PAVEMENT CORPORATION, New York, $35,621. Repair Contract No. 941, Delaware County, 5.77 mi. RICHARD HOPKINS, Troy, $21,070. Repair Contract No. 986, Duchess County, 1.19 mi. THOMAS J. MARTIN Beacon, $6,747. Repair Contract No. 992, Erie County, 9.40 mi. RICHARD HOPKINS, Troy, $58 465. Repair Contract No. 997, Essex County, 23 68 mi. DEFIANCE CORPORATION, Ticonderoga, $8,780. Repair Contract No. 993, Monroe County, 1.50 mi. HARRY W. ROBERTS & CO., Utica, N. Y., $14,327. Repair Contract No. 845, Nassau County, 2.50 mi. WILLIAM J. KIDD, New York, $2,950. Repair Contract No. 990, Niagara County, 2.20 mi. CHARLES E. HANEY, Camillus, $12,993. Repair Contract No. 983, Onondaga County, 2.29 mi. HARRY W. ROBERTS & CO., Utica, $21,527. Repair Contract No. 1,003, Onondaga County, 1.31 mi. McGREEVEY, McGUIGAN & BAUM, Elmira, $9,938. Repair Contract, No. 1,004, Ontario County, 1 mi. McGREEVEY, McGUIGAN & BAUM, Elmira, $7,039. Repair Contract No. 994, Ontario County, 1.95 mi. CONNORS & GALLAVAN, Elmira, $11,163. Repair Contract No. 996, Orange County, 1.84 mi. JACOB STERN, Stroudsburg, Penn., $23,506. Repair Contract No. 818, St. Lawrence County, 5.50 mi. LYNDEN CONSTRUCTION CO., Albany, $9,084. Repair Contract No. 1,000, Saratoga County, 20.88 mi. PAUL SCHULTZ, Albany, $6,137. Noted Aug. 10.

N. Y., Albany—(Official)—State Highway Comn., 55 Lancaster St., let contracts for highways in various counties as follows: Road No. 5,614, Loudon-Crescent, Pt. 2, Albany County, 0.10 mi. BROWN & LOWE CO., Schenectady, $1,544. Road No. 1,451, Stella-New Irelans, Broome County, 4.70 mi. T. H. GILL CO., Binghamton, $52,486. Road No. 1,414, Venice Center-Genoa Cayuga County, 5.45 mi. FRANK MALONE, Syracuse, $72,209. Road No. 1,435, Solon-Gee Brook, Part 1, Cortland County 6.07 mi. MICHAEL O'BRIEN, Cortland, $73,747. Road No. 1,439, Sidney-Masonville, Delaware County, 6.51 mi. ALBANY CONSTRUCTION CO., Albany, $92,554. Road No. 1,445 East Aurora-Lancaster, Part 2, Erie County, 3.54 mi. WILLIAM F. FELTON, Buffalo, $51,981. Road No. 924, Wales Center-Wales, Erie County, 6.03 mi. WILLIAM F. FELTON, Buffalo, $62,120. Road No. 5,617 Watertown-Philadelphia, Part 2, Jefferson County, 5.03 mi. PATHFINDER CONSTRUCTION CO., Fulton, 61,464. Road No. 773, Wendellville-Lockport, Part 2, Niagara County, 2.38 mi. COLD SPRING CONSTRUCTION CO., Buffalo, $25,442. Road No. 1,355, North Western-Boonville, Pt. 1, Oneida County, 6.15 mi. ALBANY CONSTRUCTION CO., Albany, $75,608. Road No. 1,415, Chapin-Palmyra, Part 1, Ontario County, 3.95 mi. CHAMBERS & BARNES, Rochester, $40,219. Road No. 1,427, Fulton-Volney, Part 1, Oswego County, 0.57 mi. SAMUEL BONN, Syracuse, $8,731. Road No. 1,421, Center Berlin-Petersburg, Rensselaer County, 7.20 mi. MARTIN MURRAY & CO., INC., Troy, $90,664. Road No. 1,148, Suffern-Mt. Ivy, Rockland County, 8.62 mi. SAMUEL BESKIN, Beacon, $71,930. Road No. 325, Center Road-Fayette, Part 2, Seneca County, 2.75 mi. THOMAS F. MURRAY, LeRoy, $37,709. Road No. 1,453, Vischers Ferry-Niskayuna, Schenectady County, 1.95 mi. J. J. MALLOY, Schenectady, $19,330. Road No. 1,399, Waterloo Village, Fayette St., Seneca County, 0.24 mi. McMAHON & FARRINGTON, Waterloo, $3,162. Road No. 1,078, Waverly-Lockwood, Tioga County, 6 mi. LANE CONSTRUCTION CORPORATION, Meriden, Conn., $68,043. Road No. 1,417, Wallkill-Newburg, Part 1, Ulster County, 3.12 mi. JOHN A. JOVA, INC. Newburgh, Part 1, Ulster County, 3.12 mi. JOHN A. JOVA, INC., Newburgh, $35,867. Road No. 1,436, Greenwich Village, Elm Ave., Main, Bridge and Eddy St., Washington County, 1.43 mi. KEESVILLE ROAD CO., INC., Keesville, $62,961. Noted Aug. 17.

N. Y., Albany—(Official)—State Highway Commission received low bids for constructing and repairing highways in various counties as follows: Road No. 5615, Belfast-Caneadea, Allegheny County, 9.07 mi.: Frank J. Foote, Nunda, $111,063; W. J. Fox, Oramel, $120,334; J. A. Hughes, Jamestown, $112,200. Road No. 1450, Castle Creek-Whitney Point, Broome County, 6 93 mi: T. H. Gill Co., Binghamton, $103,690. Road No. 5607, Franklinville-Machias, Cattaraugus County, 4 73 mi.: William F. Felton, Buffalo, $75,952 Road No. 1440, Franklin-Unadilla, Part 1, Delaware County, 3.39 mi.: Woodruff Edgecomb Co, East Branch, $46,604; Brady-Oltarsh Co., Inc, Johnstown, $46,330; Fulton Engineering Co., Inc., Albany, $46,628. Road No. 1334-A, Transit, Part 4, Erie County, 3 18 mi.: Carlisle A. Landel, Tonowanda, $43,807; Louis H. Gipp, Buffalo, $46,900. Road No. 1354-B, Transit, Part 4, Erie County, 1.12 mi.; Arthur J. Shaw, Jr, & George Perrin, Batavia, $38,619; Louis H. Gipp, Buffalo, $41,935; Bison City Engineering and Contracting Co., Inc., Buffalo, $43,807. Road No. 1443, North Collins-Langford, Erie County., 5.09 mi.: Frank J. Foote, Nunda, $60,117; John Johnson Construction Co., Buffalo, $60,816. Road No. 5602, Malone Village, Main and Elm St., Franklin County, 1 99 mi.: Arthur F. McConville, Ogdensburg, $67,100; John B. Dewer, Ballston Spa, $67,174; P. J. Kennedy, Utica, $68,879. Road No. 621, St. Johnsville-Oppenheim, Part 2, Fulton County, 2.90 mi.: No bids. Road No. 1363, Paines Hollow-Stone House, Herkimer County, 5.67 mi.: No bids. Road No 5618, Carthage-Antwerp, Part 4, Jefferson County, 4 05 mi.: P. J. Kennedy, Utica, $59,819; Roeh & Griffin Co., Watertown, $61,195; Pathfinder Construction Co., Inc., Fulton, $61,290. Road No. 1392, Rush-Menden, Part 1, Monroe County, 3 69 mi.: Michael Murphy, Rochester, $38,994. Road No. 5590, Lewiston Heights-Lewiston, Niagara County, 0.061 mi.: John Johnson Construction Co, Buffalo, $22,546. Road No. 1356, North Western-Boonville, Part 2, Oneida County, 5 74 mi.: Albany Construction Co, Al-

Streets and Roads (Continued)

bany, $70,022. Road No. 5616, Coshocton-Naples, Part 2, Ontario County, 2.26 mi.: Atlanta Construction Co., Atlanta, $26,961; Steuben Construction Co., Hornell, $27,017; W. S. Semper, Watertown, $30,464. Road No. 1430, Albion Village, Main Street, Orleans County, 1.32 mi.: F. H. Rhodey, Albion, $89,975; Lewis H. Brotsch, Buffalo, $91,000; Thos. Fitzgerald Co., Fredonia, $92,573. Road No. 1428, Sandy Creek-Smartville, Oswego County, 6.36 mi.: Samuel Bonn, Syracuse, $74,840; Bison City Engineering and Contracting Co., Inc., Buffalo, $76,511; Dale Engineering Co., Utica, $77,428. Road No. 1422, Castleton-East Schodack, Part 1, Rensselaer County, 4.87 mi.: Fred Ellis, Melrose, Mass., $57,590. Road No. 1389, Gouverneur-Edwards, Part 2, St. Lawrence County, 4.60 mi.: No bids. Road No. 1454, Duanesburg-Esperance, Schenectady County, 6.33 mi.: Albany Construction Co., Albany, $74,500; Lane Construction Corporation, Meriden, Conn., $75,480; J. J. Malloy, Schenectady, $75,805. Road No. 1420, Bradford-Tyrone, Schuyler County, 3.01 mi.: Wjlis L. Frost, Watkins, $29,888; John W. Gurnett, Watkins, $30,918; Atlanta Construction Co., Atlanta, $32,733. Road No. 1400, Waterloo-Burns Corner, Seneca County, 4.89 mi.: J. W. Brennan Construction Co., Inc., Geneva, $59,908. Road No. 1452, Richford-Harford Mills, Tioga County, 5.50 mi.: Dana W. Robbins, Inc., New York, $72,025. Road No. 1431, Brockton-Speedsville, Part 1, and Slaterville Springs, Caroline, Part 2: Ft. Schuyler Construction Co., Inc., Utica, $42,748; Patrick B. Conley, Ithaca, $43,-354. Road No. 1418, Milton Landing-Milton, Ulster County, 0.55 mi.: Fallkill Construction Co., Inc., Poughkeepsie, $13,894; Harper & Higginson, Inc., Newburgh, $15,272. Road No. 1437, Schuylerville-Greenwich, Washington County, 4.58 mi.: Keeseville Road Co., Inc., Keeseville, $47,-732. Road No. 5606, Tuckahoe-White Plains, Part 2, Westchester County, 2.74 mi.: James V. Troin, Mt. Vernon, $46,213.

N. Y., Albany—(Official)—State Highway Comn., 55 Lancaster St., received low bids Aug. 18 for constructing highways in various counties as follows: Road No. 1449, Maine-Glen Aubrey, Broome County, 5.35 mi.: No bids. Road No. 5608, Machias-Delevan, Part 1, Cattaraugus County, 2.17 mi.: William F. Felton, Buffalo, $34,159. Road No. 1379, Jamestown City, Foote Ave., Chautauqua County, 0.74 mi.: John Johnson Construction Co., Buffalo, $36,320; Clyde G. Jones & H. A. Hotchkins, Jamestown, $40,809; Elmer M. Love & Son, Corry, Penn., $41,628. Road No. 1381, Fredonia-South Dayton, Part 3, Chautauqua County, 3.70 mi.: No bids. Road No. 1441, Delancey-Delhi, Delaware County, 4.31 mi.: Brady Oltarsh Construction Co., Johnstown, $70,380; Fulton Engineering Co., Inc., Albany, $70,811; John A. Jova, Inc., Newburgh, $74,680. Road No. 1444, Hunts Corners-Akron, Erie County, 3.75 mi.; Cold Spring Construction Co., Buffalo, $32,752; Michael H. Ripton, Rochester, $33,388; Lewis H. Gipp, Buffalo, $33,688. Road No. 1447, Brant-North Collins, Erie County, 4.50 mi.: No bids. Road No. 5622, Holland-Yorkshire, Part 1, Erie County, 5.19 mi.: Frank L. Cohen, Buffalo, $106,927. Road No. 5613, Malone-Chateaugay, Franklin County, 10.36 mi.: W. T. Thayer & Co., Chateaugay, $124,417; DeGraff & Hogeboom, Inc., Kingston, $125,514. Road No. 1377, Gloversville-West Perth, Fulton County, 3.74 mi.: No bids. Road No. 514, Snooks Corners-Amsterdam, Montgomery County, 2.70 mi.: No bids. Road No. 1344, Green Corner-Francis Pond, Nassau County, 3.38 mi.: Joseph Capek, Inc., Astoria, $44,007; E. T. Eggleston, Yonkers, $45,115; H. J. Mullen Construction Co., Inc., Jamaica, $49,784. Road No. 5620, Geneva City-Lake Street, Ontario County, 0.82 mi.: F. A. Bushley, Norwich, $11,-972; Sweeney & Boland, Rochester, $12,165; J. W. Brennan Construction Co., Inc., Geneva, $12,347. Road No. 1423, Speigletown-Tomhannock Reservoir, Rensselaer County, 6.34 mi.: No bids. Road No. 5612, Waddington-Massena, Part 1, St. Lawrence County, 9.12 mi.: Mecca Construction Co., Morristown, $144,830. Road No. 5598, South Glens Falls Village, Saratoga Ave. and Main St., 1.10 mi.: John B. Dower, Ballaston Spa., $70,480; Joseph Fredella, Glens Falls, $74,972. Road No. 5619, Central Bridge, Quaker St., Part 1, Schoharie County, 2.73 mi.: Lane Construction Corporation, Meriden Conn., $33,838; Green & Miller, Schenectady, $35,161; D. J. Snell & Co., Canajoharie, $37,063. Road No. 1401, Willard-Ovid Seneca County, 2.13 mi.: H. A. Schaupp, Guilderland, $25,172. Road No. 1416, Seneca Falls, Clyde, Part 1, Seneca County, 2.63 mi.: Dale Engineering Co., Utica, $27,394; Bradley & McGreevey, Elmira, $27,786; H. A. Shaw, Guilderland, $28,769. Road No. 1432, West Danby-West Danby Station, Tompkins County, 0.43 mi.: Patrick D. Conley, Ithaca, $5,615. Road No. 1434, Ithaca City, Mitchell St., Tompkins County, 0.61 mi.: Patrick D. Conley, Ithaca, $16,777. Road No. 1419, Rosendale Village, Ulster County, 3.17 mi.: George H. McEvoy, Creek Locks, $41,271; Harper & Higginson, Inc., Newburg, $43,459. Road No. 1438, Greenwich-Cambridge, Washington County, 6.98 mi.: Clifford Construction Co., Jamaica, $98,-217; Lane Construction Corp., Meriden, Conn., $99,739; St. Lawrence Construction Co., Inc., Albany, $103,106. Road No. 1059, Clyde-Resort, Part 3, Wayne County, 1.88 mi.: No bids. Road No. 1370, Harts Corner-White Plains, Westchester County, 1.74 mi.: Summit Engineering and Construction Co., New York, $50,555.

N. Y., New York—(Borough of Manhattan)—City rejected bids for paving 28th St.

N. Y., New York—(Manhattan)—(Official)—Warner-Quinlan Asphalt Co., at $11,064, low bidder for 600 tons refined asphalt. Noted Aug. 10.

N. Y., New York—(Queens)—(Official)—Contract paving portion Meadow St. let to ASTORIA CONTRACTING CO., $8,834; 88th St., H. J. MULLEN, $8,257. Noted July 27.

N. Y., New York—(Richmond)—(Official)—C. Vanderbilt, 24 Elizabeth St., West New Brighton, low bidder paving portion 3rd St., granite blocks. Noted Aug. 3.

N. Y., New York—(Richmond)—(Official)—J. E. Donovan, 2205 Richmond Terrace, Port Richmond, at $43,689, low bidder for improving portions various streets. Noted Aug. 10.

N. Y., Seneca Falls—(Official)—Village let contract paving portion Fall St. to S. SOPER & SON, Seneca Falls, about $5,000. Noted Aug. 10.

N. Y., Webster—City received low bid for repairing 1.50 mi. highway from Henry W. Roberts, Utica. About $14,327.

N. J., Belvidere—Warren County received low bid Harmony-Martins Creek Rd. from Miles-Tigh & Co., Phillipsburg, at $14,609.

N. J., Bloomfield—Board Freeholders Essex County, Newark let contract improving Broad St. to STANDARD BITULITHIC CO. Noted Aug. 3.

N. J., Mt. Holly—Bd. Chosen Freeholders let contract Mt. Holly-Lumberton Rd. to J. F. SHANLEY CO., 26 Exchange Pl., Jersey City. About $15,038.

N. J., Mt. Holly—Bd. Chosen Freeholders let contract Mt. Holly-Chambers Corner Rd. to CHARLES T. EASTBURN CO., Bourse St., Philadelphia, Penn. About $30,301.

N. J., Morristown—Bd. Chosen Freeholders received low bids for improving Mt. Pleasant Turnpike from Hanover to Whippany from Miles-Tighe Co., Easton, Penn., $54,407; Gray Construction Co., Morristown, $55,832; Osborne & Marsellis, Belleview Ave., Montclair, $56,746. Noted June 29.

N. J., Newark—Bd. Chosen Freeholders received low bids for paving portion of Hudson County Blvd. from W. T. S. Critchfield, 5th St., Hoboken, about $52,000, and Standard Bitulithic Co., 31 Clinton St., Newark, $54,330.

N. J., Newark—City let contract grading portion Ave. R to NEW YORK & NEW JERSEY CONSTRUCTION CO., Essex Bldg., $147,534. Noted Aug. 3.

N. J., New Brunswick—City Comn. let contracts paving to T. H. RIDDLE, 102 Church St., George St., $2.70 per sq.yd., Elm Row, Redmond and Bayard St. and Carroll Pl., $1.77, Spring St., $2.70; UTILITY CONSTRUCTION CO., 46 Paterson St., Commercial Ave., $1.82; A. JELIN, 4 Paterson St., Burnet St., $2.65.

N. J., Passaic—City let contract Midvale-Pompton Rd. to GEORGE F. BRACKETT. About $72,755.

N. J., West Hoboken—Council let contract paving portion Savoye St. to CLINTON CONTRACTING CO., West Hoboken. Noted July 27.

Penn., Dunmore—City let contracts paving to SWEENEY BROS., Dunmore, Drinker St., $24,282, Larch St., $16,386. Noted July 20.

Penn., Harrisburg—City let contract paving portion Hickory Rd. to SOUTH SHORE CONSTRUCTION CO., Erie. About $10,999.

Penn., Hollidaysburg—Borough let contract paving Wayne St. to A. FOGE.

Penn., Ingram—(Pittsburgh post office)—Council rejected bids for paving portion Tunnell St. D. H. Hainer, Secy. Noted Aug. 10.

Penn., Irwin—City let contract paving North Main St. to H. DE ANGELIS.

Penn., Lebanon—City let contract paving portion Church and Willow St. and Doe and Walnut Alley to DWYER & CO., 1523 Chestnut St., Philadelphia. Noted July 20.

Penn., Midland—Borough Council let contract paving Midland Ave. to ANGELA CUPANI, Midland. About $10,592.

Penn., Narberth—City let contract resurfacing roads to A. C. SHAND, JR., Commercial Trust Bldg., Philadelphia. Noted May 11.

Penn., Pittston—City let contract paving 6,000 ft. road from Pittston City line south through Port Griffith to O'BRIEN BROS., Avoca.

Penn., St. Marys—City let contract improving streets to JOSEPH WIESNER. About $13,000.

Penn., Sewickley—City let contract paving 2 alleys to RALPH V. BALDWIN, 1361 4th Ave. Coralpolis.

Penn., Somerset—City let contract paving and grading North, East and West Union St. to D. E. KELLER.

Penn., Somerset — Boro. Council let contract grading driveway on North Pleasant St. to E. E. KELLER.

Penn., Spangler—Cambria County let contract paving to POLO C. AZZARO, Barnsboro. About $18,900.

Penn., Uniontown—County received following bids for brick paving: Luzerne Township, 4,075 ft., Bell-Bockel Co., $24,570; Redstone Township, 9,239 ft., Hoblitzell & Price, $52,043; German Township, 15,840 ft., Bell-Bockel Co., $78,496.

Penn., West Wyoming—(Wyoming post office)—City let contract paving 8th St. to M. J. MALLOY, Sugar Notch.

Penn., Wilkes-Barre—County let contract for surfacing road to O'BRIEN BROS., Avoca. About $55,000.

Penn., Windber—City let contract paving Graham Ave. to TORQUATO BROS. About $1,272. W. J. Vickroy, City Engr. Noted June 29.

Md., Chevy Chase—City let contract grading, sidewalks and roads to E. G. GUMMELL, 3009 Rhode Island Ave., Washington, D. C. About $30,000.

Md., Frostburg—City let contract paving Bowery St. to HOSKIN & NEAL.

Va., Portsmouth—Norfolk County Bonding Comn. let contract road to ADDENBROOK & CO., Norfolk.

Va., Portsmouth—County Rd. and Bridges Comn. let contract clay-gravel road to O. L. WILLIAMS. About $11,000.

W. Va., Bluefield—Council let contract 15,000 sq.yd. bituminous macadam, 14,000 lin.ft. curb, to R. F. BAKER, Bluefield. Noted July 13.

W. Va., Bluefield—City Council let contract paving Jones St. to J. D. SHOTT, and Marshall Reese, 3rd, Peck, Scott, Lee, Bedford, Allen Wayne and Pulaski St. to R. F. BAKER.

W. Va., Elkins—(Official)—Randolph County let contract road improvements in Leadville Dist. to R. M. HUDSON PAVING AND CONSTRUCTION CO., Charleston. About $217,719. Noted Aug. 3.

W. Va., Lewisburg—(Official)—Greenbrier County, Blue Sulphur Dist., defeated $75,000 road bonds. Address County Clk., Lewisburg. Noted July 6.

W. Va., Moundsville—(Official)—City Council let contract paving portion Elm Ave. to R. J. McFADDEN, Moundsville. Noted July 27.

W. Va., North View—(Official)—City let contract grading and curbing Turnpike, 7th and 6th St. and Goff Ave. to WAYNE F. ALLEN, Clarksburg. About $23,400. Noted July 27.

W. Va., Wheeling—City let contract paving portion Elm, Vine, Virginia and Indiana St. to CLIFFORD & SHANNAFELT.

Ga., Atlanta—City let contract paving Peachtree St. to GULF PAVING CO., Chattanooga. Noted Aug. 10.

Fla., De Land—New Smyrna Special Rd. and Bridge Dist. let contracts shell roads to HAMILTON & JOHNSON, Orlando, $96,449; BRYSON & BRYSON, Jacksonville, shell, $30,206, concrete, $51,248; ACKERMAN & ELLIS, Titusville, brick $14,042. Noted July 20.

Fla., Kissimmee—City let contract sidewalks on Mabette and Mitchell St. to A. L. DAVIDSON.

Ala., Wetumpka—Elmore County let contract road work to J. M. COLLINS, Eclectic, about $16,-000. Noted July 6.

Miss., Corinth—(Official)—Alcorn County let contract 15-mi. gravel road to CORUTHERS & CO., Booneville. About $53,000. Noted July 20.

Miss., Greenwood—City let contract paving to MEMPHIS ASPHALT AND PAVING CO., Memphis, Tenn. Noted Aug. 3.

Miss., Meridian—City let contract concrete curb and gutter to JOHN E. WRIGHT.

Miss., Pascagoula—Jackson County let contract Pascagoula-Gautier Highway between East and West Pascagoula Rivers through salt marshes, including bridge over West Pascagoula River, to HANCOCK, HARBIN & HANCOCK, Mobile about $100,000. Noted May 18.

La., Shreveport—Police Jury let contract Arkansas Rd. and raising 12 mi. Bayou Rd. to J. M. BYRD, Shreveport, $15,746.

Tenn., Kingsport—Kingsport Improvement Co. let contract 5 mi. concrete sidewalks to OLIVER & HILL, Kingsport.

Tenn., Waverly—(Official)—County let contract road to McEwen to OLIVER-HILL CONSTRUCTION CO. About $15,000. Noted July 20.

Ohio, Akron—City let contract improving portion Bellows St. to CHARLES H. WATTERS. About $22,612.

Ohio, Bowling Green—City let contract improving Pike Ave. to L. M. BECKARD. Noted July 20.

Ohio, Canton—County let contract sidewalks Lincoln Heights, Stark County to FONDRIEST BROS., 1028½ Market St.

Ohio, Cincinnati—City let contract section Bloody Run Blvd. to CONCRETE CINDER CO., cinder; J. BURNS, stone; ATLANTIC REFINING CO., asphalt Binder. About $31,000.

Ohio, Cincinnati—(Official)—Bd. Park Comrs. let contract crushed stone, screenings and torpedo sand for road in Sect. No. 3 to ATLANTIC REFINING CO., Philadelphia. About $14,315. Noted July 20.

Ohio, Cleveland—Bd. Control let contract paving Abbey Ave. to R. P. BURNETT, 527 Society for Savings Bldg., Cleveland.

Ohio, Cleveland—(Official)—City let contract paving West Blvd. to TRINIDAD PAVING CO., Lakeside Ave., Cleveland. About $20,000. Noted July 27.

Ohio, Cleveland—Cuyahoga County let contract improving portion Richmond Rd. to FALLS CONSTRUCTION CO., Chagrin Falls. About $58,-831. Noted July 13.

Streets and Roads (Continued)

Ohio, Cleveland—City plans to repave East 71st St., asphalt, by day labor.

Ohio, Columbus—County Comrs. let contract resurfacing roadway to CITY ROAD PRESERVING CO., Cincinnati. About $35,160. Noted Aug. 3.

Ohio, Columbus—State Highway Comn. received low bids highways in various counties as follows: Allen County, 2 mi. Kenton-Lima Rd., brick, H. S. Enck, Lima, $55,875, C. E. Williams, Grand Rapids, $55,604; asphalt, Johnson Construction Co., Chicago, $51,238, C. E. Williams, Grand Rapids, $50,991; Athens County, 0.37 mi. Logan-Athens Rd., brick, Mariner & Sons, Athens, $5,422, B. F. & W. A. Eddy, Trimble, $5,499; Auglaize County, 0.61 mi. Kenton-Wapakoneta Rd., brick, concrete and water-bound macadam, E. C. Lewis & Co., Lima, $22,800, W. J. Powell, Wapakoneta, Ohio, $21,978; Gallia County, 0.78 mi. Ohio River Rd., water-bound macadam, W. H. Mart, Gallapolis, Ohio, $6,994; Geauga County, 5.46 mi. Cleveland-Meadville Rd., concrete and brick, H. W. Curry & Co., Eaton, $72,550, Kennedy Warner Co., Medina, $72,995; Henry County, 3.35 mi. Toledo-Napoleon Rd., water-bound macadam, J. A. Westrick, Holgate, $36,600, A. L. Strayer, Liberty Center, $39,065; Lawrence County, 1.06 mi. Ohio River Rd., bituminous macadam, Tripeer & Patterson, Columbus, $14,327, Siepel & Wolfe, Youngstown, and John M. Trapper, Kipps Hill, $14,517 each; concrete, John M. Trapper, Kipps Hill, $16,892; Lawrence County, 1 mi. Ohio River Rd., bituminous macadam, Tripeer & Patterson, Columbus, $11,028, Sieple & Wolfe, Youngstown, $11,845; Lawrence County, 2.19 mi. Ohio River Rd., bituminous macadam, brick or concrete; bituminous macadam, Seipel & Wolfe, Youngstown, $17,721, Tripeer & Patterson, Columbus, $19,142, Charles & George Mahl, Ironton, brick, $29,436, concrete, $30,334; Logan County, 0.34 mi. Bellefontaine-Richwood Rd., concrete, Obriant & Gregg, Marysville, $5,594, A. P. Deitrick & Gabriel, Bellefontaine, $6,129; Mahoning County, 1.72 mi. Youngstown-Akron Rd., brick, Doolittle & Garland, Kent, $24,859, Smith Construction Co., Youngstown, $25,111; Mahoning County, 2 mi. Youngstown-Lowellville Rd., brick, Smith Construction Co., Youngstown, $35,478, Olson Construction Co., Youngstown, $35,848; Mercer County, ½ mi. Celina-Wabash Rd. concrete, Burnett & Christen, Rockford, $7,190; Monroe County, grading, 3½ mi. Woodsfield-Barnesville Rd., and building bridges and culverts, Green & Getman, Kent, $16,697, W. W. Patton, Woodsfield, $17,992; Perry County, 1.9 mi. Newark-New Lexington Rd., water-bound macadam, Wilson Yardley Co., Newark, $22,003, Harness Rennick, Williamsport, $23,500; Pickaway County, 2.63 mi. Cincinnati-Zanesville Rd., water-bound macadam, Other M. Junk, Chillicothe, $14,200; Preble County, 4.45 mi. Dayton-Indiapolis Rd., bituminous macadam, H. W. Curry & Co., Eaton, $33,860, Mings & Strayton, $35,520; Putnam County, 1.47 mi. Findlay-Delphos Rd., water-bound macadam, Carey & McElroy, Ada, $6,933, Creager & Co., Hamler, $7,282; Putnam County, 2.15 mi. Ottawa-Findlay Rd., water-bound macadam, O. L. Smith, Leipsic, $11,764, J. W. McDowell Co.; Ottawa, $12,508; Putnam County, 0.37 mi. Findlay-Delphos Rd., concrete, J. W. Acton, Vaughnsville, $7,733; Ross County, 0.57 mi. Portsmouth-Columbus Rd., brick, Brewer-Tomilson & Brewer, Chillicothe, $9,683; Sandusky County, 2.16 mi. Lima-Sandusky Rd., water-bound macadam, Thomas Construction Co., Sandusky, $22,336, Pearson & Welch, Fremont, $22,743; Scioto County, 0.97 mi. Ohio River Rd., brick, S. Monroe & Son, Portsmouth, $21,800; Vinton County, 1.77 mi. McArthur-Gallapolis Rd., with brick, Keener & King, Jackson, $19,365.35, concrete, $17,443.

Ohio, Dayton—City let contract paving Victor, Grafton and Brighton Ave. to C. HOLLIHAN, Dayton, $21,066.

Ohio, Dayton—City let contract paving 5th St. to E. RYAN, Springfield, $50,860. Noted Aug. 10.

Ohio, Deshler—(Official)—Village let contract improving portion Maple St., brick, to C. S. WITHAM, Deshler. About $24,409. Noted Aug. 3.

Ohio, East Liverpool—City let contract paving Midland Ave. to ANGELO CURTANI, Midland. About $10,592.

Ohio, Findlay—City let contracts paving to H. J. HALL & SON, Findlay, and W. H. RINGWALD & SONS, Chillicothe.

Ohio, Flushing—(Official)—City let contract paving High St., brick or concrete, to W. N. MILLER, St. Clairsville, about $16,582. Noted July 27.

Ohio, Fremont—Bd. Control let contract paving Carbon St. to HIGHWAY IMPROVEMENT CO., and Rawson Pl. and Hage St. to MODERN CONSTRUCTION CO. Noted Mar. 30.

Ohio, Holloway—Belmont County let contract grading and paving to G. H. RICE, Belmont.

Ohio, Marion—City let contract paving portion Carpent St. to P. DRAKE & SON. About, $4,000.

Ohio, Martins Ferry—(Official)—Bd. Control let contract paving portion Elm, Vine and Virginia St. to CLIFFORD & SHANEFELT, Martins Ferry. Noted Aug. 3.

Ohio, Newark—City let contract paving portion Wyoming St. to FEDERAL ASPHALT PAVING CO., Hamilton. About $8,000. Noted June 15.

Ohio, New Lexington—City let contract paving Broadway, Pleasant and Ferrara St. to BARTHLOW & SON, Logan, $12,935.

Ohio, Norwood—Dir. Pub. Ser. let contract Floral Ave., creosoted wood block to HINKLE & SULLIVAN, Cincinnati. About $36,000.

Ohio, Piqua—City let contract improving portion Broadway to HENNESSY BROS., Troy. About $40,000.

Ohio, Piqua—Bd. Control let contract paving portion Ash St. to ANDREWS PAVING CO., Hamilton. Noted June 29.

Ohio, Port Clinton—(Official)—City let contract paving and curbing 11 blocks, concrete, to MARSMAN & GREEN, Grand Rapids, Mich. About $10,214. Noted July 20.

Ohio, Ravenna—(Official)—City let contract paving to MORGAN BROS., Ravenna, $22,011, Grant, Mill and Page St.; $16,464 Prospect St. Noted July 27.

Ohio, Springfield—City let contract paving Fountain Ave. to M. J. KANNON. About $25,000. Noted Feb. 17.

Ohio, Sylvania—(Official)—Village let contract paving Bank and Indiana St. to F. R. MARSH, Sylvania. About $11,166. Noted Aug. 3.

Ohio, Warren—City let contract improving portion of Olive St. to SMITH ENGINEERING AND CONSTRUCTION CO. About $15,000. Noted June 22.

Ohio, Washington—Court House—City let contract paving portion Fayette St. to BOLAN, WILT & KELLY, about $37,066; North Main St., ANDREWS ASPHALT PAVING CO., about $4,000. Noted May 25.

Ohio, Wooster—(Official)—County Comrs. let contract Orrville-Smithville Rd. to MIDLAND CONSTRUCTION CO., Lima. About $63,337.

Ind., Brownstone—(Official)—Jackson County let contract macadam road in Vernon Township to OHIO CONSTRUCTION CO., Rushville. About $18,285. Noted July 13.

Ind., Decatur—City let contract improving Line St. to L. W. FRANKS & SON.

Ind., Greensburg—(Official)—Decatur County let contract road in Washington Township to JAMES A. STAGG, Greensburg. About $7,188. Noted July 13.

Ind., Indianapolis—County let contract Snyder Rd. to ALLEN, HURST & SWEET, Greencastle. About $10,490.

Ind., Jeffersonville—(Official)—Clark County let contract road in Silver Creek Township to MARTIN F. O'NEIL, Jeffersonville. About $8,300. Noted July 13.

Ind., Laporte—(Official)—Laporte County let contract road in Springfield Township to LOUIS MARTINE, Laporte. About $8,180. Noted July 20.

Ind., Laporte—(Official)—Laporte County let contract road in Center and Scipio Townships to FRANK J. KING, Laporte. Noted July 20.

Ind., Lebanon—(Official)—County let contract road in Eagle Township to DAVIS CONSTRUCTION CO., Cicero. About $26,495. C. Goodwin, Audr. Noted July 3.

Ind., Madison—City let contract macadam road to JAMES E. MILES, Madison, about $4,400, and WENDEL P. JACOBS, Madison, about $4,200.

Ind., New Castle—County let contract 12-mi. concrete road to C. M. KIRKPATRICK, Greenfield. About $12,000.

Ind., Richmond—County let contract concrete road to C. M. KIRKPATRICK, Greenfield. About $149,000.

Ind., Rochester—County let contract Robbins Rd., Rochester Township to MELVIN HAY.

Ind., Valparaiso—(Official)—Porter County let contract gravel roads in Portage and Liberty Townships to GARY CONSTRUCTION CO., Gary. About $17,290. Noted July 13.

Ind., Winchester—(Official)—County let contract road to JOHNSON & DULL, Lynn, and SETH HINSHAW, Winchester. Noted Aug. 10.

Mich., Coldwater—County let contract road work in Quincy and Butler Townships to S. C. BISHOPP, Hillsdale.

Mich., Grand Rapids—City let contract paving Underhill Hall to Bultema Bros., 1060 Godfrey Ave. About $13,000.

Mich., Iron Mountain—City let contract 5,000 ft. curb and gutter and 50,000 ft. cement walk to J. R. HELFELTZ CO., Iron Mountain.

Mich., St. Johns—County let contract grading, putting on slag and gravel, 3½ mi. Class C, trunk-line highway to A. L. TRIPP, St. Johns. About $23,100. Noted Aug. 3.

Ill., Chadsworth—City let contract paving 4th and 5th St. to R. WILLIAMS, Normal.

Ill., Chicago—City let contract Bullard Rd. to J. C. SHIELDS, Highland Park. About $56,209.

Ill., Harrisburg—City let contract paving in Jackson Paving Dist. to CHARLES DAGENHART, Alton.

Ill., Harvard—City let contract paving to JOHNSON CONSTRUCTION CO., Adams Express Bldg., Chicago.

Ill., Highland Park—City let contract paving and bridges to WESTERN IMPROVEMENT CO., Racine, Wis.

Ill., Marion—(Official)—County let contract 3 mi. concrete road to W. LOUGH & SON, Marion, $9,197, Route 1, Sec. J; R. JOHNSON, 3204 North Clark St., Chicago, $11,345, Route 14, Sec. Q; B. A. FLODIN, Chicago, $8,402, Route 9, Sec. K. Noted Aug. 3.

Ill., Milan—City let contract paving to ANTON SWANSON, Moline. About $24,000.

Ill., Oak Park—Village Bd. let contracts paving as follows: Lexington St. to H. G. GOELITZ CO., 810 N. Blvd., Oak Park, about $20,870; Ridgeland and Elmwood Ave. to STANDARD PAVING CO., 29 S. La Salle St., Chicago, about $20,835 and $19 000.

Ill., Peoria—City let contracts paving portion Fulton St. to JOHN McALLISTER, $14,233; Elm St. to MILLER & BIEHL, $4,892; Lincoln Ave. to CENTERBURY BROS., $7,888. Noted May 4.

Ill., Peru—City let contract paving 9th St. to TROMPETER & SONS, Peru. Noted July 6.

Ill., Springfield—Highway Comn. let contracts for state aid work as follows: Morgan County, Sect. B, oiled earth, to COCKING CEMENT CO., Jacksonville, $18,271; Whiteside County, Sect. D, gravel, to H. P. JOHNSON, Sterling, $13,915; Marion County, Sect. D, gravel, to G. K. CARVER, Mt. Vernon, $8,268; Jersey County, Sect. D, oiled earth, to STOCKER GRAVEL AND CONSTRUCTION CO., Highland, $3,506; Vermilion County, Sect. E, brick and water-bound macadam, to ECLIPSE CONSTRUCTION CO., Winnetka, $49,445; La Salle County, Sect. 1, concrete, to F. E. BALL, Hampshire, $9,272.

Ill., Springfield—State Highway Comn. let contracts for state aid work as follows: Bond County, Sect. C, brick, to JOHN HINDEN & SON, Pana., $7,193; Hancock County, Sect. A, earth, to SIEUR BROS., Dallas City, $3,670; Boone County, Sect. E, concrete, to FRANK TAYLOR, Belvidere, $5,008; Boone County, Sect. A, water-bound macadam, to J. J. O'LAUGHLIN, 133 West Washington St., Chicago, $12,098; Monroe County, Sect. C, earth, to JOHN HENERFOUTH, Volmeyer, $2,642.

Wis., Ableman—City let contract paving Broadway to W. & O. CONSTRUCTION CO., Madison.

Wis., Milwaukee—Dept. Pub. Wks. received low bids for paving as follows: W. T. McGovern Co., Clinton St., granite block, $9,089; Clubourn St., vitrified brick, $7,287; P. C. Kroeck, 31st Ave., bituminous concrete, $4,957; White Construction Co., Becher St., asphalt, $11,993; Cedar St., asphalt, $10,956; Badger Construction Co., 15th St., asphalt, $4,132; 8th St., asphalt, $11,464; John Welher, 35th St., sandstone and creosoted block, $23,750; Dean Construction Co., Holton St., creosoted block, $16,689.

Wis., Mineral Point—City let contract curb and gutter to O. K. HUGO.

Wis., Sauk City—City let contract paving to HUTTER & OCCOLA.

Wis., Stoughton—Common Council let contract paving Main St., vitrified block, to SWEENEY BROS., Reedsburg. About $13,837. Noted July 27.

Wis., West Allis—Act. Bd. Pub. Wks. received low bid for grading and paving, concrete, portion Beloit Rd. from KROENING CONSTRUCTION CO., Majestic Bldg., Milwaukee. Noted July 27.

Iowa, Tipton—(Official)—Cedar County let contract grading 7 mi. road to THOMAS CAREY & SON, Clinton. About 25½c. cu.yd. Noted Aug. 3.

Minn., Duluth—Rogers, McLean & Co., Duluth, at $10,292, only bidder paving Minnesota Ave.

Minn., Littlefork—County let contract State Rd. No. 3 to OLAF BOVOLD.

Kan., Ft. Scott—City let contract paving and guttering to THOGMARTIN & GARDNER, Ft. Scott. About $11,429.

Neb., Fremont—(Official)—City let paving I St. to ROBERTS CONSTRUCTION CO., Lincoln. Noted Aug. 3.

Mont., Billings—City let contract paving Yellowstone and Clarke Ave. to WARREN CONSTRUCTION CO., Portland, $64,000. Noted June 29.

Mo., Fulton—(Official)—City let contract paving and curbing to C. F. PETRY, Marshall. About $6,076. Noted July 27.

Mo., Joplin—City let contract paving portion 7th St. to C. B. ANDERSON. Noted Mar. 9.

Mo., Joplin—City let contract paving portion South Main St. to SHELBY DOWNARD, Oklahoma City. About $29,205.

Mo., Sedalia—(Official)—City let contract paving portion 4th St., brick, to GRAHAM CONCRETE PRODUCTS CO., Sedalia. About $1.67½c. sq.yd. Noted July 27.

Ark., Helena—(Official)—City let contract 2 mi. concrete paving to P. F. CONNOLLY, Little Rock, about $26,000. Noted July 13.

Tex., Dallas—City let contract paving portion Hudson St. to VIBROLITHIC CONSTRUCTION CO., Dallas.

Tex., Galveston—City let contract supplying and spreading mainland soil surfacing to GOOD ROADS Association Construction Co., Galveston, $18,750.

Tex., Houston—City let contract paving portion Capitol and Jackson Ave. to EUREKA PAVING CO.

Tex., Waxahachie—City Council let contract paving Ferris Ave. to TAYLOR, WALKER & BELL, Dallas. About $40,000. Noted May 18.

Streets and Roads (Continued)

Okla., Ardmore—(Official)—City let contract improving streets to ARDMORE CONSTRUCTION CO., Ardmore. About $17,473. Noted Mar. 9.

Colo., Glenwood Springs—(Official)—Garfield County let contract 2,350-ft. highway to FRAVERT & PRENDERGAST, Rifle. About $6,590. Noted July 27.

Colo., Lamar—City let contract improving state road to M. U. DEWALD, Holly, Colo.

N. M., Albuquerque—(Official)—City rejected bids for paving. T. Hughes, Clk. J. E. Hutchinson, City Engr. Noted July 27.

N. M., Socorro—(Official)—State Highway Comn. to construct Socorro-Mohollen Rd., Blue Cañon, by day labor. Noted July 27.

Idaho, Lewiston—(Official)—City let contract 2,766 sq.yd. 6-in. 1-course concrete paving, 13,395 sq.yd. 3-in. concrete paving and 3,650 ft. concrete curb, to C. M. PAYNE, Spokane, Wash. About $6,973. Noted Aug. 3.

Utah, Salt Lake City—City let contract paving several streets to P. J. MORAN. About $15,938.

Wash., Everett—City let contract paving portion Norton Ave. and 35th St. to WARD & TEMPLETON, Everett, $10,516. Noted June 22.

Wash., Ilwaco—City received bids paving from L. F. Kline, Portland, concrete, $10,991; W. M. Oller, Portland, 4-in. bitulithic, $13,118, 5-in. bitulithic, $13,473, standard bitulithic, $13,906.

Wash., Kent—(Official)—City let contract resurfacing Meeker St., concrete, to WASHINGTON PAVING CO., Seattle. About 93c. per sq.yd. Noted July 27.

Wash., Olympia—State Highway Comn. let contract to M. P. ZINDORF, Seattle, at $17,418, for highway between Orilla and Renton, Bear River Rd., $24,885.

Wash., Port Townsend—(Official)—Jefferson County let contract 7 mi. road to Leland Valley to JAMES H. COYNE, Port Townsend. About $12,986. Noted Aug. 3.

Wash., Republic—Ferry County let contract paving Permanent Highway No. 1-B to R. L. PICKEN, Tonasket, $11,238. Noted July 27.

Wash., Seattle—Bd. Pub. Wks. received low bid paving 14th Ave., S., from Holt & Jeffrey, Railway Exchange Bldg., $19,943.

Wash., Waterville—County let contract improving 21½ mi. road to PATTON & SMITH, Prosser, $19,879. Noted July 27.

Ore., Roseburg—County let contract Gardiner Rd. to HINSDALE & JEWETT, $14,154. Noted July 27.

Calif., Bakersfield—Kern County let contract paving and culverts on section Bakersfield-Glenville Rd., Div. 9, Sec. 7, to G. S. BENSON & SON, Stimson Bldg., $10,224.

Calif., Hanford—City let contract 17½-mi. macadam-asphalt paving to THOMPSON BROS., Fresno. About $58,875. Noted June 29.

Calif., Los Angeles—City to let contract for paving Arcadia St. and Boyle Ave. and other streets about Sept. 15. H. Hamlin, City Engr.

Calif., Los Angeles—City let contract improving Pacific Ave. to FAIRCHILD-GILMORE-WILTON CO., Pacific Electric Bldg., $37,967.

Calif., Los Angeles—City let contract improving Crocker St. to FAIRCHILD-GILMORE-WILTON CO., Pacific Electric Bldg., $10,078.

Calif., Pasadena—City let contract improving Hawthorne St. to W. A. KEEP, 19 S. Olive St., Alhambra. About $6,474.

Calif., Redwood—(Official)—County rejected bids for surfacing 7½ mi. Redwood-San Gregorio Highway. Noted Aug. 3.

Calif., Sacramento—City let contract improving J St. to CLARK & HENERY CONSTRUCTION CO.

Calif., South Pasadena—City let contract improving Hawthorne St. to W. A. KEEP, 19 So. Olive St., Alhambra. About $6,474.

Calif., Ukiah—(Official)—County let contract road at Salmon Creek to STODDARD & BUCHANAN, Ft. Bragg. About $10,061. Noted Aug. 3.

Calif., Ventura—Ventura County received low bids improving 8.77 mi. Somas to Santa Clara River Rd., Div. 7, from A. Holloway, 471 South Broadway, Pasadena, $31,026; White & Gaskell, Long Beach, $35,257; Rogers Bros Co., Hiberian Bldg., Los Angeles, $37,398. Noted Aug. 3.

Ont., Galt—City let contract asphalt paving to STANDARD PAVING CO., Ottawa.

INDUSTRIAL WORKS

Proposed Work

Mass., Chelsea—Fleischer Bros., 59 Elm St., making plans for 2-story, 45x95-ft. warehouse. S. S. Eisenstein, 5 Everett Ave., Arch.

Conn., Bridgeport—C. M. Cole making plans for 7-story warehouse. Lockwood, Greene & Co., 60 Federal St., Boston, Mass., Engrs.

N. Y., Albany—M. A. Shafer, 22 Colvin Ave., making plans for 2-story, 50x100-ft. garage. About $25,000. F. V. Hogan, 164 Montgomery St., Arch.

N. Y., Albany—Wilson & Co., 31st St. and Ashland Ave., Chicago, made plans for refrigerating plant at Albany.

N. Y., Binghamton—Ballard Silk Mills Co. plans 50x200-ft. addition to plant on Milford St. About $75,000. H. D. Ballard, Mgr.

N. Y., New York—(Brooklyn)—Bahl-Abbott Construction Co. making plans for 1-story, 100x135-ft. garage. About $25,000. S. Millman & Son, 1780 Pitkin Ave., Arch.

N. Y., New York—(Manhattan)—(Official)—Dept. Pub. Charities, Municipal Bldg., receiving bids Aug. 31 for 9-story storage building on Blackwells Island. J. A. Kingsbury, Comr. Noted Aug. 17.

N. Y., New York—(Manhattan)—Robert Gordon Realty Co., 37th St. and East River, made plans for 6-story, 30x201-ft. garage. About $80,000 Rouse & Goldstone, 38 West 32nd St., Arch.

N. Y., New York—(Manhattan)—Seaman Litchenstein Estate, 105 Barclay St., making plans for 4-story, 50x96-ft. garage. About $65,000. A. W. D. Wood, 103 Park Ave., Arch.

N. Y., Watervliet—Appropriation of $680,000 made for improving Watervielt Arsenal and building machine shop. Col. W. W. Gibson, in charge.

N. Y., Whitehall—Supt. of Pub. Wks. approved plans for 2-story, 33x210-ft. warehouse and office building. About $27,000. F. M. Williams, Telephone Bldg., Albany, State Engr.

N. J., Atlantic City—H. Best, 130 South Chalfonts Ave., making plans for 2-story warehouse and garage. Stout & Rebenack, Guarantee Trust Bldg., Arch.

N. J., Jersey City—Duryea Manufacturing Co. making plans for factory buildings on Chapel Ave. About $60,000. J. T. Rowland, Jr., 100 Sip Ave., Arch.

N. J., Jersey City—Wilson & Co. plans 4-story addition.

N. J., Lambertville—Lambertville Rubber Co. made plans for 3-story vulcanizing plant. Ballinger & Perrott, 17th and Arch St., Philadelphia, Arch.

N. J., Paterson—Paterson Industrial Development Co. making plans for 4-story, 75x310-ft. factory at Gray St. and Beckwith Ave. About $145,000. F. W. Wentworth, 140 Market St., Paterson, Arch. J. J. Fitzgerald, Secy. Paterson Chamber of Commerce. Noted July 6.

N. J., Union Hill—(Weehawken post office)—Hudson Despatch News making plans for 4-story, 100x100-ft. printing building. About $50,000. J. D. Lugesch, 21 Bergenline Ave., Arch.

Penn., Harrisburg—Pennsylvania Milk Products Co. making plans for 1-story, 40x100-ft. milk depot and dairy building. About $35,000. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch.

Penn., Reading—Vogue Knitting Co., c-o Reading Underwear Co., making plans for 2-story, 40x120-ft. addition. About $15,000. E. Hickman, 119 South 5th St., Arch.

Penn., Scranton—Wagner Fire Brick Co. making plans for plant. About $100,000. A. E. Wagner, Union National Bank Bldg., Gen. Mgr. Noted Aug. 3.

Md., Baltimore—Montgomery Chemical Co. making plans for 1-story, 50x100-ft. factory. About $10,000.

Md., Baltimore—S. E. Stewart, 1421 Mt. Royal Ave., plans 3-story warehouse. About $30,000. J. E. Moxley, Jr., 1709 Edmonson Ave., Arch.

Va., Alexandria—Southern Ry. making plans for roundhouse, machine shop, etc. B. Herman, 1300 Pennsylvania Ave., Washington, D. C., Ch. Engr. M. W. and Streets.

Va., Richmond—S. T. Veverage plans garage. About $50,000. H. S. Barnham, Chamber of Commerce Bldg., Arch.

La., New Orleans—J. T. Gibbons plans rein.-con. feed and grain plant. About $225,000.

Ky., Louisville—Louisville Provision Co. making plans for 4-story, 48x200-ft. addition to packing plant. About $200,000. Henschien & McLaren, 37 West Van Buren St., Chicago, Arch.

Ohio, Akron—General Tire and Rubber Co. plans 1-story, 60x200-ft. addition. Osborn Engineering Co., Engineers Bldg., Cleveland, Engr. M. O'Neil, East Market and Lucile St., Pres.

Ohio, Cincinnati—Union Thread Co. plans addition, 69th St. and Big Four tracks.

Ohio, Cleveland—Abbotts-Detroit Automobile Co. interests plan factory.

Ohio, Cleveland—Allyne-Ryan Foundry Co., Aetna Rd. and East 91st St., plans plant on East 185th St.

Ohio, Cleveland—Perry-Prospect Co. granted permit for 2-story repair shop at 2111 Prospect Ave. About $10,000.

Ohio, Cleveland—Prospect—Fifty-fifth Street Co. plans storage building at East 55th St. and Euclid Ave. About $50,000. P. Salem, Cuyahoga Bldg., Secy. and Treas.

Ohio, Cleveland—River Furnace Co., 2,600 West 3rd St., plans plant near Morgan Run.

Ohio, Cleveland—Sanitary Tinning Co. making plans for 1- and 2-story factory. About $50,000. A. J. Miller, 2365 Canal Rd., Pres. and Gen. Mgr. C. D. Cooley Co., Century Bldg., Pittsburgh, Arch. Noted June 22.

Ohio, Cleveland—Van Sweringen Bros., Marshall Bldg., made plans for 6-story warehouse and freight terminal at Broadway and Orange St. About $1,000,000. W. J. Watson & Co., Leader News Bldg., Arch. and Engr.

Ohio, Columbus—Columbus Bread Co. making plans for 1-story, 110x200-ft. bakery. About $25,000 A. G. Reck, North 4th and Lincoln St., Mgr. C. D. Cooley & Co., Century Bldg., Pittsburgh Arch. Noted July 20.

Ohio, Mingo—Pullman Co., 72 East Adams St., Chicago, plans plant at Mingo.

Ohio, Toledo—Grasser Motor Co. receiving bids Aug. 29 for 2-story, 100x100-ft. service station Bates & Gamble, 601 Close Bldg., Arch. Noted July 6.

Ohio Uhricsville—Mazurie Clay Products Co. making plans for 3-story factory. About $200,000. B. E. Ottman, Pres. Noted June 15.

Mich., Adrian—Adrian Steel Casting Co. plans to rebuild plant.

Mich., Jackson—Hackett Motor Co. making plans for 1 story factory. R. Finn, 1144 David Whitney Bldg., Detroit, Arch.

Ill., Champaign—W. H. Holzer making plans for 2-story, 106x130-ft. sales building and garage. About $22,000. G. E. Ramey, Stern Bldg., Arch.

Ill., Chicago—Chicago Transfer and Clearing Co., 5601 West 61st St., making plans for 1- and 2-story, 162x273-ft. addition to factory. About $75,000. S. N. Crowen, 30 North La Salle St., Arch.

Ill., Chicago—C. H. Foster Accessories Co. plans 5-story, 75x165-ft. service building. About $100,000. Marshall & Fox, 706 Lincoln Parkway, Arch.

Wis., Algoma—Ahanapee Veneer and Seating Co. making plans for two factories. W. W. De Long & Son, 842 College Ave., Appleton, Arch.

Wis., Green Bay—Hagemeister Realty Co. making plans for 2-story auto distributing building. About $50,000. Foeller & Schober, 123 North Washington St., Arch.

Wis., Kenosha—J. B. Pirach Co. making plans for 100x200-ft. paint shop. White, White & White, Public Service Bldg., Arch.

Wis., Milwaukee—American Show Print Co. making plans for 2-story plant. About $20,000. Herbst & Huffschmidt, Caswell Blk., Arch.

Wis., Milwaukee—Milwaukee Electric Light and Railway Co. making plans for 1-story car barn. About $100,000. R. H. Pinkley, Arch.

Wis., Milwaukee—David Rothman, 486 8th St., made plans for 2-story warehouse at 4th and Cherry St. J. Roth, Jr., Arch. Noted Mar. 16.

Iowa, Sioux City—Armour & Co. plans 7-story plant. About $75,000. H. C. Carlson, Gen. Mgr.

Minn., Duluth—Northern Pacific R R. soon receives bids for car shops. O. A. Tolaas, 1258 Railroad Bldg., Arch. W. L. Darling, 1210 Railroad Bldg., Ch. Engr.

Minn., St. Paul—Vacuum Paper Board Co. plans factory at Midway. About $75,000.

N. D., Mandan—Northern Pacific Ry. plans machine shop. About $2,000,000. W. L. Darling, St. Paul, Ch. Engr.

Mo., Joplin—Missouri Pacific Ry. making plans for 1-story roundhouse. About $40,000. E. M. Tucker, Arch. E. A. Hadley, Railway Exchange Bldg., Ch. Engr.

Mo., Kansas City—Wabash Elevator Co. making plans for elevator. W. Lindensmith, 426 Board of Trade Bldg., Kansas City, Supt.

Ariz., Safford—Gila Valley Milling Co. plans flour mill and grain elevator. L. Goldschmidt, Tucson, Pres.

Calif., Alameda—Atlas-Imperial Engine Co. plans addition. About $25,000. A. Warenskjeld, Pres.

Calif., Chico—Diamond Match Co. plans enlarging and improving plant. About $250,000.

Calif., Emeryville—Peoples Baking Co. plans 2-story plant. About $150,000. J. E. W. Vreeland, Mgr.

Calif., Los Angeles—Los Angeles Union Terminal Co. receiving bids Sept 19 for 2 market buildings and 2 warehouses, at 7th St. and Central Ave. About $3,500,000. B. Johnson, Gen. Mgr. Noted July 27.

Calif., Richmond—Richmond Carbon Works granted permit for addition. About $10,000.

Calif., San Francisco—C. R. Peterson plans 4-story factory at 15th and Vermont St. About $100,000. H. Shermund, Mills Bldg., Arch.

N. B., Moncton—Reed Co., Ltd., making plans for warehouse. About $10,000. F. N. Brodie, 42 Princess St., St. John, Arch.

Que., Thetford Mines—Thetford Mines Foundry Co. plans to rebuild foundry.

Ont., Brantford—Dominion Steel Products Co. plans factory. About $50,000.

Ont., Galt—Water-Works Comrs. plan ice plant. J. H. Radford, Chn.

Ont., London—London Rolling Mills Co. plans rein.-con. addition. About $50,000. F. White, Mgr.

Ont., Merritton—Lincoln Paper Mills made plans for addition. About $200,000.

Ont., Port Colborne—International Nickel Co., 43 Exchange Pl., New York, N. Y., plans plant and refinery at Port Colborne. About $4,000,000.

Ont., Toronto—Adams Harness Co., 204 King St., E., plans rein.-con. factory. About $80,000.

Man., Grand Rapids—See item under "Miscellaneous."

Man., Winnipeg—Winnipeg Paint and Glass Co. plans to rebuild plant.

Bids In and Contracts Awarded

Vt., Rutland—Howe Scale Co. let contract 2-story, 60x204-ft. assembling room and machine

Industrial Works (Continued)

shop to **BERLIN CONSTRUCTION CO.**, Berlin, Conn. About $50,000.

Mass., Andover—H. T. Stevens & Sons Co. let contract addition to LEWIS & McALOON, North Andover.

Mass., East Taunton—Chandler Oil Cloth and Buckram Co., 97 Colony Ave., let contract 2-story, 60x250-ft. and 60x100-ft. factory to FRANKLIN D. WILLIAMS, 50 Weir St. About $40,000. Noted Mar. 23.

R. I., East Providence—Nonnabo Chemical Co. will build 2-story, 60x250-ft. factory by day labor. About $25,000. R. LeBowen, Gen. Mgr.

N. Y., Binghamton—Eastern Concrete Steel Co., D. S. Morgan Bldg., Buffalo, low bidder for two 1- and 2-story factories for Linde Air Products Co. About $35,000. H. D. Edwards, 42nd St. Bldg., New York, Engr.

N. Y., Cohoes—John Carside & Co., Pine St., let contract plant to T. HANRAHAN, 16 South Wendell Ave., Schenectady. About $10,000. Noted Nov. 4.

N. Y., Jamesville—T. Millen Cement Co. let contract 4-story factory to W. J. BURNS CO., 421 Bastable Bldg., Syracuse.

N. Y., New York—(Brooklyn)—City and Suburban Homes Co. let contract 1-story, 108x204-ft. garage to WALTER RYAN, 913 Bedford Ave. About $40,000.

N. Y., New York—(Manhattan)—William Bradley, 1 Madison Ave., let contract 3-story, 100x230-ft. garage to BRADLEY & WEED, 200 5th Ave. About $100,000. Noted June 22.

N. Y., New York—(Manhattan)—J. W. Hamburger Estate let contract factory to T. J. BRADY CO., 1170 Broadway. About $20,000.

N. Y., New York—(Queens)—Hunter Car Sign Co. let contract 1-story addition to factory at Flushing to F. JOHNSON, 46 Prospect St. About $10,000.

N. Y., New York—(Queens)—A. A. Renshaw, 26 Broadway, Manhattan, let contract garage at Forest Hills, L. I., to J. J. McCARTHY & CO., 326 East 42nd St., Manhattan.

N. J., Hoboken—F. J. Rooney Lamp Co., 14th St. and Willow Ave., let contract 3-story, 30x70-ft. addition to LEVENSON LUMBER CO., 15th St., Hoboken. About $10,000.

N. J., Irvington—Claudius Ash Sons & Co. let contract 1-story factory to W. H. CONNOLLY CO., INC., 295 12th St., Newark. About $85,000.

N. J., Paterson—De Grado Silk Finishing and Dyeing Co. let contract 2-story factory to ELIA & MARTINO, 436 Broadway. About $25,000. Noted Mar. 30.

N. J., Plainfield—Bosch Magneto Co. let contract storehouse and addition to boiler house to CASPER RANGER CONSTRUCTION CO., Holyoke, Mass.

N. J., Rahway—Merck & Co. let contract 3-story addition to SALMOND BROS. CO., 526 Elm St., Arlington. About $25,000. Noted Jan. 13.

N. J., West Orange—T. A. Edison Co., Inc., Lakeside Ave., let contract 2-story, 80x200-ft. factory to AMERICAN CONCRETE STEEL CO., Essex Bldg., Newark. About $75,000.

Penn., Arcadia—International Coupler Co. let contract 1-story, 50x175-ft. factory to H. L. KREUSLER, 3301 Penn Ave. About $20,000. Noted Aug. 17.

Penn., Erie—American Brake Shoe and Foundry Co., 12th and Payne St., let contract 1-story, 75x800-ft. factory to SAMUEL AUSTIN & SONS, 14230 Euclid Ave., Cleveland. About $80,000. Noted Aug. 17.

Penn., Erie—Old Home Baking Co. let contract 1-story, 76x100-ft. bakery to WILKINSON & MILLER, Marine Bank Bldg. About $25,000.

Penn., Mohrsville—J. H. Wagner let contract 1-story, 62x167-ft. factory to C. SCHLEGEL, 1224 Perkiomen Ave., Reading. About $12,000. Noted June 8.

Penn., Philadelphia—Storage Battery Co. let contract 1- and 2-story, 100x220-ft. factory to STEWART BROS., 2526 North Orkney St. About $45,000.

Penn., Philadelphia—Strawbridge & Clothier, 8th and Market St., let contract 1- and 2-story, 100x172-ft. garage to STACEY REEVES & SONS, 2011 Market St., Philadelphia. About $45,000.

Penn., Shoemakersville—Merit Underwear Co. let contract 2-story, 40x259-ft. factory to C. H. SCHLEGEL, 2224 Perkiomen Ave., Reading. About $10,000.

Md., Baltimore—Baltimore Tube Co. let contract 1-story addition to WEST CONSTRUCTION CO., American Bldg. About $30,000. Noted July 6.

Md., Baltimore—Pennsylvania R R. let contract rebuilding rein.-con. grain elevator to JAMES STEWART, INC., Chicago. About $2,000,000. Noted Aug. 3.

Va., Richmond—A. Hoen Co. let contract factory to TRAVERSE WOOD CO., American National Bank Bldg. About $60,000. Noted July 6.

Va., Richmond—David Marks, 3rd and Broad St., let contract 2-story garage to J. C. BEASLEY, Real Estate Exchange Bldg. About $25,000.

Ky., Hazard—Hazard Wholesale Grocery Co. let contract 2-story, 30x200-ft. warehouse to G. T. HOOD, Knoxville, Tenn.

Ky., Louisville—Kentucky Institute for the Blind, Frankfort Ave., let contract laundry and heating plant to NEVILLE KELLNER & CO., 417 West Main St. About $20,000. Noted June 29.

Ky., Louisville—Overland Automobile Agency, 4th and York St., let contract 3-story, 75x154-ft. garage and salesroom to HIEATT BROS., 401 Intersouthern Bldg. About $40,000.

Ohio, Akron—Commercial Printing Co. let contract 3-story addition to CARMICHAEL CONSTRUCTION CO., 524 Hamilton Bldg. About $30,000. Noted Aug. 17.

Ohio, Alliance—Morgan Engineering Co. let contract 1-story, 70x120-ft. forge shop to SAMUEL AUSTIN CO., 14230 Euclid Ave., Cleveland. About $15,000.

Ohio, Cleveland—Damascus Manufacturing Co. let contract 2-story factory to H. S. JUERGENS, 3315 West 25th St. About $20,000. Noted July 20.

Ohio, Columbus—E. N. Kalin let contract 2-story, 50x60-ft. factory to MARCUS BUILDING CO., Reading Rd. About $12,000.

Ohio, Columbus—Standard Bolt and Forging Co. let contract 1-story, 120x284-ft. bolt shop to McCLINTIC MARSHALL CO., Oliver Bldg., Pittsburgh.

Ohio, St. Bernard—Ubiko Milling Co. let contract factory to FERRO CONCRETE CONSTRUCTION CO., Richmond and Harriet St., Cincinnati.

Ind., Elkhart—Sidney Mercantile Co., Blaine Ave. and 14th St., let contract, 3 warehouses, to J. C. BONTRAGER, 701 Wolf Ave. About $15,000. Noted July 20.

Ind., South Bend—Slick Laundry Co., 126 South Main St., let contract 2-story, 40x120-ft. laundry to KUEHN & JORDAN, 2203 Kerelake Ct., River Park. About $10,000.

Mich., Benton Harbor—Superior Steel Casting Co. let contract factory on Graham St. to J. M. ALMENDINGER, Benton Harbor. Noted June 29.

Mich., Jackson—Pickell Storage Co. let contract 3-story, 44x160-ft. storage building to GRAHAM & THAYER.

Ill., Chicago—Chicago Junction Railway Co. let contract 6-story warehouse to G. A. FULLER CO., 140 South Dearborn St. About $400,000.

Ill., Chicago—Chicago, Rock Island & Pacific Ry. let contract elevator to T. S. LEAKO & CO., 806 South Dearborn St. About $25,000.

Ill., Chicago—(Hawthorne)—Western Electric Co. let contract 1-story addition to BULLEY & ANDREWS, 25 North Dearborn St. About $30,000. Noted Aug 10.

Ill., Galena—Galena Glove and Mitten Co. let contract 2-story, 50x140-ft. factory to R. F. CONLON, Cuba, Wis. About $10,000. Noted Mar. 9.

Ill., Kewanee—National Tube Co. let contract 4-story, 60x109-ft. pattern-storage building to MONMOUTH GALESBURG CONSTRUCTION CO., Bank of Galesburg Bldg., Galesburg. About $50,000.

Ill., Oak Park—National Biscuit Co. let contract distributing station to WILLIAM ADAMS CO., 209 South La Salle St., Chicago. About $40,000.

Ill., Rockford—National Lock Co. let contract warehouse and boiler room to ANDREAS LINDEN, 1021 7th St.

Ill., Woodriver—International Shoe Co. let contract tannery to JAMES BLACK MASONRY AND CONSTRUCTION CO., Wright Bldg., St. Louis, Mo. About $400,000. Noted May 25.

Wis., Chippewa Falls—Chippewa Foundry and Machine Co. let contract foundry and machine shop to WISCONSIN CONSTRUCTION CO.

Wis., Neenah—Neenah Paper Co. let contract 2-story, 75x105-ft. storage building to R. MEYERS & SONS, 52 State St., Oshkosh.

Wis., Waukesha—Waukesha Pure Food Co. let contract masonry for 4-story, 40x140-ft. factory to PAUL RIESEN'S SONS, 1018 Humboldt Ave., Milwaukee. About $50,000. Noted June 22.

Iowa, Council Bluffs—Hynes Elevator Co., Omaha, let contract 750,000-bu. elevator to STEVENS ENGINEERING CO., Chicago. About $500,000.

Minn., Detroit—Gagnon Shoe Co., Webster, Wis., let contract 2-story factory at Detroit to A. W. RANDOLPH, Detroit. About $15,000.

N. D., Fargo—Smith & Runner let contract 2-story, 50x140-ft. warehouse to T. F. POWERS. Noted Aug. 10.

Mont., Laurel—Laurel Milling Co. let contract elevator to GLOBE CONSTRUCTION CO., Lewiston. About $10,000.

Mo., Kansas City—Kansas City Stock Yards Co. will improve yards by day labor. About $1,500,000. C. E. Smith, St. Louis, Engr.

Mo., Kansas City—H. D. Lee Mercantile Co. let contract 8-story, 138x160-ft. factory to GRAY CONSTRUCTION CO., 400 Orear-Leslie Bldg. About $250,000. Noted May 25.

Mo., Kansas City—Midland Milling Co. let contract flour mill, power house and grain elevator to LEHRACK CONTRACTING AND ENGINEERING CO., 725 Gloyd Bldg., Kansas City. About $100,000.

Mo., St. Louis—Anheuser-Busch Brewing Association let contract 5-story plant, Broadway, 7th, Pestalozzi and Arsenal St. to GILSONITE CONSTRUCTION CO., Wainwright Bldg. About $2,500,000.

Tex., Houston—Missouri, Kansas & Texas Ry. let contract warehouse to AMERICAN CONSTRUCTION CO., Houston. About $50,000. Noted May 25.

Okla., Okmulgee—Fullerton-Stuart Lumber Co. let contract 2-story, 150x200-ft. warehouse to D. C. SMOYER, Okmulgee.

Wash., Seattle—Kelly-Springfield Co. let contract 3-story, 120x120-ft. garage, 11th Ave. and Pine St., to WARRACK CONSTRUCTION CO., Lyon Bldg. About $60,000.

Ore., Portland—Portland Union Stock Yards let contract 3-story, 225x225-ft. building to F. J. LEONARD, Lewis Bldg. About $150,000.

Calif., Berkeley—Pacific Guano and Fertilizer Co. let contract addition on 2nd St. to FRANK & HENRY JEPSEN, $10,105.

N. S., Halifax—French Cable Co. let contract cable buildings on North Dartsmouth Shore to STANDARD CONSTRUCTION CO., Halifax. About $70,000.

Ont., Brockville—Canadian Briscoe Motor Car Co. let contract addition to T. J. DAVIDSON.

Ont., Toronto—Dept. Pub. Wks. let contract warehouse on Front St. to G. A. FULLER CO., 45 St. Alexander St., Montreal, Que. About $500,000. Noted July 6.

Ont., Toronto—W. Wrigley Co., Jr., Carlow Ave., Toronto, let contract factory to H. C. CHRISTMAN CO., Hamilton. About $250,000.

Alta., Didsbury—Albert Co-operative Elevator Co., 316 Lougheed Bldg., Calgary, let contract elevators at Didsbury to W. McDONALD.

FEDERAL GOVERNMENT WORK

Proposed Work

Mass., Boston—Dredging—Bureau of Yards and Docks, Navy Dept., Washington, D. C., receiving bids Sept. 9, for dredging about 10,000 yd. at U. S. Navy Yard, Boston. Noted Aug. 17.

Mass., Woods Hole—Dredging—Lighthouse Inspector, Boston, receiving bids Aug. 29 for dredging channel and basin in Little Woods Hole Harbor.

N. Y., Tompkinsville—Steel Buoys—Light House Inspector, Tompkinsville, receiving bids Sept. 1, steel buoys, type L.

Penn., Philadelphia—Mail Handling Equipment—Treasury Dept., Office Superv. Arch., Washington, D. C., receiving bids Sept. 8 for mail handling equipment in U. S. post offices at Philadelphia. J. A. Wetmore, Acting Superv. Arch. (See Adv.)

Penn., Philadelphia—Steel, Etc.—U. S. Marine Corps, Quartermaster's Dept., Depot of Supplies, 1100 South Broad St., Philadelphia, receiving bids Aug. 25.

Md., Baltimore—Riprap—Light House Inspector, Baltimore, receiving bids Aug. 29, Timble Shoal Light Station, Va.

D. C., Washington—Building—Bids received Aug. 30 at office of Quartermaster, Walter Reed General Hospital, Tacoma Park, for improving general hospital and nurses home.

D. C., Washington—Power Plant—Bureau of Yards and Docks, Navy Dept., Washington, D. C., receiving bids Sept. 30 for power plant at naval torpedo station, Puget Sound, Wash.

D. C., Washington—Refuse Destructor — Dept. Interior receiving bids Sept. 20, Freedmens Hospital.

Ill., Chicago—Pier Construction, Dredging, Etc.—Bids received Sept. 14 at U. S. Engineer Office, 508 Federal Bldg., Chicago, for dredging, etc., at Chicago Harbor. (See Adv.)

Mont., St. Ignatius—Canals—U. S. Reclamation, St. Ignatius, receiving bids Sept. 20 for canals and structures on Flathead Project.

Colo., Grand Junction — Excavation — United States Reclamation Service, Grand Junction, receiving bids Sept. 14 for 142,700 yd. excavation.

Colo., Montrose—Canal Work—United States Reclamation Service, Montrose, receiving bids Sept. 15 for Ironstone Canal extension, California Mesa Lateral No. 3 and Buttermilk Lateral, Uncompahgre Valley Project, in vicinity of Delta and Olathe. (See Adv. Aug. 17 issue.)

Calif., Willows—Post Office—J. A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., receiving bids Oct. 2 for U. S. post office at Willows.

Panama—Miscellaneous Supplies—General Purchasing Officer, Panama Canal, Washington, D. C. receiving bids Aug. 28, Circular 1074.

Panama—Miscellaneous Supplies—General Purchasing Officer, Panama Canal, Washington, D. C., receiving bids Sept. 6, Circular 1073.

Bids In and Contracts Awarded

N. Y., Buffalo—Dredging—Low bids received Aug. 15 for dredging and rock excavation at Dunkirk Harbor from O. E. Dunbar, Detroit, $50,258; Great Lakes Dredge and Dock Co., Morgan Bldg., Buffalo, $55,442; Eugene Breymann, Boston, $91,242. Noted July 20.

D. C., Washington—Telephone System—Superv. Arch., Treasury Dept., Washington, received bids for combination fire alarm watchman's clock and telephone system in Interior Dept. from W. G. Cornell Co., Washington, $12,890; W. D. Perry Electric Co., New York, $15,900; Carroll Electric Co., Washington, $12,943.

D. C., Washington—Power Plant—Contract test borings on site of power plant let to W. G. STEARNS, 55 Myrtle Ave., Jamaica, N. Y. Noted Feb. 10.

Federal Government Work (Continued)

La., New Orleans—Custom House—Bids received Aug. 2 for remodeling custom house rejected. Noted Aug. 10.

La., New Orleans—Stone—Contract stone for South and Southwest Passes, Mississippi River, let to L. F. ALEXANDER, New Orleans, $29,290. Noted June 8.

La., New Orleans—Wharf, Etc.—Lighthouse Inspector, 8th Dist., received bids July 25 for wharf, walks and foundation under privies at Southwest Pass Light Station from L. F. Alexander, New Orleans, $6,245; Peter Eskaid, Biloxi, Miss., $6,750. Noted July 6.

La., New Orleans—Willows—Contract willows, about 20,000 cords, for South and Southwest Passes, Mississippi River, let to R. M. MURPHY CO., INC., New Orleans, $30,400. Noted June 8.

Ohio, Newark—Post Office—J. A. Wetmore, Act. Supervy. Arch., Treasury Dept., Washington, D. C., received low bids Aug. 16, (a) limestone, (b) sandstone, from T. W. Cissell, Wooster, (a) $101,400, (b) $110,000; C. McCall Co., Philadelphia, (a) $104,480, (b) $111,180; R. S. Moore, Lafayette, Ind., (a) $109,657, (b) $116,429. Noted July 13.

Ore., Portland—Post Office—Contract let to GRANT FEE, 2440 16th St., San Francisco, Calif., $762,200. Noted Aug. 17.

Calif., San Diego—Dike—U. S. Engineer let contract to H. G. FENTON, $7,140.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., New York—(Brooklyn)—Drainage—Bd. Estimate appropriated $93,000 for improving Dyker Beach by eliminating marshes.

S. C., York—Drainage—Turkey Creek Drainage Dist. receiving bids Sept. 4 for 26 mi. ditches, 86,000 cu.yd. excavation. W. D. Alexander, 412 North Graham St., Charlotte, N. C., Engr. Noted June 22 under Greenwood, S. C.

Ohio, Van Wert—Ditch—Van Wert County receiving bids Sept. 2 for $21,000 bonds. W. Klein, Van Wert, County Audr.

Ind., Tipton—Ditch—Tipton County sold $7,170 bonds for Durham Ditch in Jefferson Township.

Ill., Beardstown—(Official)—Drainage—R. W. Hunt & Co., 2200 Insurance Exchange Bldg., Chicago, receiving bids Sept. 5 for drainage work for South Beardstown Drainage and Levee Dist. of Cass County. (See adv. Aug. 17 issue.)

Iowa, Clinton—Ditches—Clinton County receiving bids Aug. 31 for ditches in Drainage Dist. No 17. F. Lohberg, Clinton, County Audr.

Iowa, Logan—Drainage—J. M. Alberttson, County Audr., receiving bids Sept. 5 for Upper Willow Creek, Powley, Upper Boyer, Fischer and Mogger Drainage Projects. About $100,000. Noted Aug. 3.

Iowa, Sioux City—(Official)—Ditch—Woodbury County receiving bids Sept. 18 for enlarging Farmers Ditch, Drainage Dist. No. 1. C. Moriarty, U. B. Bldg., Engr. E. E. Mosmer, Sioux City, County Audr. Noted June 1.

Minn., Crookston—Ditches—Polk County making plans for 11 ditches. G. J. Welte, Crookston, County Audr.

Minn., Ortonville—Ditch—Big Stone County receiving bids Sept. 1 for Ditch No. 12. A. V. Randall, Ortonville, County Audr. Noted Aug. 3.

Minn., Ortonville—Ditch—Big Stone County receiving bids Sept. 1 for Ditch No. 14. A. V. Randall, Ortonville, County Audr.

Minn., Shakopee—Ditch—Scott County receiving bids Sept. 4 for Ditch No. 5. A. J. Mayer, Shakopee, County Audr.

Minn., Shakopee—Ditch—Scott County receiving bids Sept. 4 for Ditch No. 6. A. J. Mayer, Shakopee, County Audr. Noted Apr. 27.

Neb., Blair—Ditch—Bd. County Comrs. receiving bids Sept. 5 for De Soto Ditch Improvement, 25,000 cu.yd. O. T. Anderson, Blair, County Clk.

N. D., Grand Forks—Ditch—Grand Forks County making plans. H. Anderson & Grand Forks, County Audr.

Ark., Pine Bluff—Drainage—Miller Engineering Co., Little Rock, submitted plans for drainage canal. About $150,000. Noted Mar. 9.

Ark., Walnut Ridge—Canal—Comrs. Lower Running Drainage Dist. receiving bids Sept. 4 for canal. About $25,000. F. F. Sloan, Chn.

Idaho, Caldwell—(Official)—Irrigation—Pioneer Irrigation Dist. receiving bids about Oct. 1 for improving Phyllis Canal. About $60,000. G. C. McGee, City Engr. Noted July 27.

Ore., Ashland—Ditch—Rogue River Land Co. plans ditch, 14 mi., to connect Fish Lake with Four Mile Lake.

Calif., Amedee—Election held Sept. 7 to vote on formation of Honey Lake Valley Irrigation District, 30,000 acres. About $956,000. W. Wales, Woodland, Engr.

Bids In and Contracts Awarded

Mass., Cotuit—Dredging—Harbor and Land Com., Boston, rejected bids received Aug. 1 for dredging Cotiut Harbor and Popponesset Bay.

N. Y., Buffalo—Dredging—Contract dredging Buffalo River let to GREAT LAKES DREDGING CO., Morgan Bldg., $32,400. Noted Apr. 20.

N. Y., New York—(Manhattan)—Dredging—Bids received Aug. 16 for dredging West 209th St., Harlem River, Contract No. 1524, (a) Class 1, 34,000 cu.yd., (b) Class 2, 15,000 cu.yd., from Morris & Cummings Dredging Co., 17 State St., (a) 84c. per cu.yd., (b) 84c.; Seeley Engineering Co., (a) 90c., (b) 90c. Noted Aug. 10.

Ga., Monroe—Drainage—Cornish Creek Drainage Dist. let contract drainage system to THOMPSON & MOSELEY, Greensboro, N. C., $24,080. Noted Mar. 2.

Ohio, Lancaster—Dredging—Bids received Aug. 10 for dredging Rush Creek in Perry and Fairfield Counties rejected. Noted July 20.

Iowa, Algona—Ditch—Contract Ditch No. 137 let to B. E. NORTON, Algona, $7,997.

Minn., Fergus Falls—Ditch—Ottertail County let contract County Ditch No. 56 to DENNISTON TILE WORKS. About $17,995.

Minn., Long Prairie—Ditch—Contract Ditch No. 34 let to SEELEY ADAMS, $7,547.

Minn., Minneapolis—Dredging—Park Bd. let contract dredging beach, Glenwood Park, to HYDRAULIC ENGINEERING AND DREDGING CO. Noted July 27.

Minn., Morris—Ditch—Stevens County let contract Ditch No. 22 to C. A. POGUE & CO., Grand Rapids, $9,560. Noted July 13.

Neb., Curtis—Drainage—No bids received Aug. 1 by Drainage Dist. No. 1, Frontier County, for 50,000 cu.yd. excavation. Towl Engineering Co., City National Bank Bldg., Omaha, Engr. Noted Aug. 10.

Wash., Seattle—Drainage—Drainage Dist. No. 4, 715 New York Blk., received lowest bid for draining 100 acres in Issaquah Valley from Chamberlain Construction Co., Globe Blk., $10,364.

Calif., San Jose—Drainage—Contract drainage system let to H. L. HAEHL ENGINEERING CO., Oakland, $19,630.

MISCELLANEOUS

Proposed Work

N. H., Milford—Park Improvements—City making plans. F. A. Robinson, 101 Tremont St., Boston, Mass., Landscape Arch.

Mass., Onset—Wharf—City plans. About $10,000.

Conn., Bridgeport—Comfort Station—Bd. Park Comrs. receiving bids Aug. 26, Washington Park. E. G. Southey, 983 Broad St., Arch.

N. Y., New York—(Bronx)—Pier—B. G. Lewis, Comr. of Correction, Municipal Bldg., receiving bids Aug. 25 for repairing pier at foot of Fordham Ave., City Island.

N. Y., New York—(Manhattan)—(Official)—Cables—Fire Comr., Municipal Bldg., receiving bids Aug. 31 for underground lead-covered distribution cables from 82nd St. to Ft. George Ave. C. H. Fay, Deputy and Act. Comr.

N. J., Atlantic City—Bulkhead—City made plans, Inlet Park. About $15,000. J. W. Hackney, City Hall, Engr. Noted Mar. 9.

N. J., Atlantic City—Fire House—City making plans, 2-story, 32x65-ft. Stout & Rabenack, Guarantee Trust Bldg., Philadelphia, Penn. Arch.

N. J., Hoboken—Piers—Hoboken Land and Improvement Co., Newark St., plans 2 piers, 600 ft. long and 120 ft. wide.

Penn., Ambler—Fire House—Wissahickon Fire Co. making plans. 2-story. About $10,000. W. K. Phillips, 430 Walnut St., Philadelphia, Arch.

Penn., Coatesville—(Official)—Cast-Iron Pipe—City receiving bids Aug. 28. E. E. Stern, City Clk. J. W. Harry, City Engr. (See adv. Aug. 17 issue.)

Penn., Newtown Square—Fire Engine House—City made plans, 1- and 2-story. N. B. Okie, care of Durhring, Okie & Zeigler, Bailey Bldg., Philadelphia, Arch.

Penn., Philadelphia—Recreation Building and Park Improvements—Bd. Recreation receiving bids Aug. 31. P. H. Johnson, Land Title Bldg., Arch. Noted Aug. 10.

Penn., Treverton—Fire Engine House—Treverton Fire Co. making plans. About $6,000. F. R. Schwelyzer, Arch.

W. Va., Huntington—Subway—Baltimore & Ohio Railroad Co. and Chesapeake & Ohio Ry. interested in subway in 5th Ave. About $25,000. F. L. Stuart, Baltimore, Md., Ch. Engr. Baltimore & Ohio Railroad Co.

Miss., Bay St. Louis—(Official)—Seawall, Etc.—Seawall Comrs. Dist. No. 2 receiving bids Oct. 1. G. R. Rea, Secy. D. N. Harris, Mobile, Ala., Engr. Noted July 20.

Ohio, Alliance—Park and Playgrounds—City voted $100,000 bonds. W. Shidler, City Clk. Noted July 6.

Ohio, Celina—Park Improvements—City sold $10,000 bonds.

Ohio, Cleveland—Elimination Grade Crossing—New York, Chicago & St. Louis R.R. plans, Ivanhoe Rd. Cost railroad $91,000, Cleveland and East Cleveland, $16,000. A. J. Himes, Engr. Grade Crossing Elimination. R. Hoffman, City Engr.

Ohio, Cleveland—Stadium—City receiving bids Sept. 1, concrete, Brookside Park. About $20,000. F. H. Betz, City Arch. R. Hoffman, City Engr. Noted Aug. 10.

Ohio, Cleveland—Swimming Pool—City making preliminary plans, Brookside Park. F. H. Betz, City Hall, Arch.

Ohio, Dayton—Dam—City Comrs. plan, Island Park.

Ohio, Russellville—Undergrade Crossing—City soon votes on $10,000 bonds. L. P. Rauselman, Clk.

Ohio, Youngstown—Comfort Station—City plans. About $6,400. F. Lillie, City Engr.

Mich., Grand Rapids—Tunnel—F. A. Stone granted permission for tunnel or subway into John Watson property on Bridge St. About $6,000.

Ill., Chicago—Fire Engine House—City making plans, 2-story. About $40,000. C. W. Kallal, Arch. W. R. Morehouse, Comr. Pub. Wks.

Ill., Chicago—Tunnel—Chicago Union Station Co. receiving bids Aug. 30 for tunnel in Adams and Jackson St. T. Rodd, Pittsburgh, Ch. Engr.

Ill., Evanston—Seawall—I. C. Brower, Comr. Pub. Wks., receiving bids Aug. 31 for seawall along shore Lake Michigan.

Ill., Oak Park—Fire Station—Village plans, 2-story, Augusta and Lombard St. About $6,000. C. H. Hill, Village Pres.

Iowa, Muscatine—(Official)—Levee—Joint Bd. of Superv. of Muscatine and Louisa Counties soon receives bids for levee along Mississippi River for Muscatine Island Levee Dist. Elliott & Harman Engineering Co., 144 Fredonia Ave., Peoria, Ill. Noted Aug. 3.

Iowa, Onawa—Straightening River—County Comrs. voted $100,000 to straighten Soldier River to abate floods. Noted July 13.

Minn., West Duluth—Coal Dock—Northern Pacific Ry. making plans. About $10,000. W. L. Darling, 1210 Railroad Bldg., St. Paul, Ch. Engr.

Tex., Dallas—Levee Improvements—Five Mile Levee Improvement Dist. plans. About $90,000. O. W. Finley, Ennis, interested.

Tex., Port Arthur—Wharf—Gulf Refining Co. plans 1,000-ft. addition.

Wash., Seattle—Pier—Pacific Construction Co., Railroad Ave. and Washington St., soon lets contract for rebuilding Pier No. 11, Wall St. About $50,000.

Ore., Portland—Retaining Wall—Dept. Pub. Wks. make plans, Vista Ave. and Montgomery Dr.

Calif., Anaheim—Dike—O. E. Stewart, City Engr., interested in formation of protection district to build dike. About $100,000.

Calif., Los Angeles—Chimney—Bd. Supvrs. receiving bids Aug. 28 for circular rein.-con. chimney at County Hospital, Mission Rd. and Sichel St. J. Schulz, Wright & Callender Bldg., Consult. Engr.

Calif., Perris—Flood Protection—Perris Valley Water Conservation and Protective Association plans conservation of flood waters.

Calif., San Jacinto—Levee Improvements—Election soon to vote on bonds, San Jacinto River. E. Dunham, Member San Jacinto Levee Bd.

Calif., Santa Ana—Dikes—Newbert Protection Dist. plans to repair dikes along Santa Ana River. About $40,000.

Calif., Santa Ana—Levee—West Orange Protective Dist. plans levee, 7 mi., on east bank of Santa Ana River. Address F. Eckgoff, Dir.

Que., Montreal—Auto-Flushers—P. E. Mercier, Ch. Engr., recommended purchasing 10 auto-flushers to replace street sprinklers.

Man., Grand Rapids—Docks, Etc.—Manitoba Power, Pulp and Paper Co. making plans for docks, dam and mills. About $2,000,000.

Bids In and Contracts Awarded

Mass., Chicopee—Retaining Wall—Harbor and Land Com. received bids from D. F. Crowley, East Milton, $10.30; C. M. Leach, Boston, $10.33; D. O'Connell & Sons, Holyoke, $10.75. Noted Aug. 10.

Mass., Scituate—Seawall—Harbor and Land Comr. let contract to D. F. CROWLEY, Adams St., Milton.

R. I., Warwick—Fire Station—Conimicut Volunteer Fire Co. let contract to C. I. BIGNEY CONSTRUCTION CO., INC., 898 Westminister St., Providence. About $5,000.

Conn., Norwich—Bulkhead and Dredging—American Straw Board Co. let contract to C. A. SIBLEY, New Haven. Noted July 20.

N. Y., Hornell—Retaining Wall—City will build by day labor. About $13,000. F. Hurd, City Clk. Noted July 13.

N. Y., New York—(Manhattan)—Pier Shed—Lehigh Valley Railroad Co. let contract masonry Pier Shed No. 44 to J. JEWKES & SONS, 576 Montgomery St., Jersey City, N. J.

N. Y., Rochester—Locker Building and Grandstand—University of Rochester let contract, 1-story, 40x160-ft., to G. C. ROSSELL, Triangle Bldg.

N. J., Atlantic City—Bulkhead, Pier and Slips—City let contract to DYKE & SMITH. About $30,000. J. W. Hackney, City Hall, Engr.

Penn., Franklin—Retaining Wall—City let contract to F. HIPF CO., 171 Pine St., Johnstown.

Penn., Freeport—Track Elevation and Elimination Grade Crossing—Pennsylvania R.R. let contract to McMENAMAIN & SIMS, Commercial Trust Bldg., Philadelphia. About $1,000,000. A. C. Shand, Broad St. Station, Philadelphia, Ch. Engr.

Penn., Philadelphia—Fire Station—Dept. Public Safety received low bids Aug. 17 for fire station No. 35, 4214 Ridge Ave., from E. F. Fonder, Land Title Bldg., $23,400; Standard Construction Co., Drexel Bldg., $24,590; J. Connors, 1317 Arch St., $25,388. Noted July 27.

Miss., Gulfport—Breakwater—County Supervs. received lowest bid from Jancey Bros., Browne,

Miscellaneous (Continued)

Crane & Co., Detroit, Mich. J. F. Galloway, Gulfport, County Engr. Noted Aug. 3.

Ohio, Sandusky—Subway—New York Central R.R. and Lake Erie & Western R.R. let contract subway at Camp St. to ROBERT GRACE CONTRACTING CO., 514 Smithfield St., Pittsburgh. Noted June 8.

Mich., Houghton—Dock—M. Van Orden Co. let contract to J. J. MICHAELS, Houghton, and J. RICHARDS, Dollar Bay.

Ill., Bloomington—Subway—Chicago & Alton R.R. let contract to I. D. LAIN, Bloomington. About $26,000. Noted Jan. 6.

Ill., Rochelle—Coal Chute—Chicago, Burlington & Quincy Railroad Co. let contract to OGLE CONSTRUCTION CO., 332 South Michigan Ave., Chicago.

Wis., Winnebago—(Official)—Sprinkler System—State Bd. Control, Madison, received lowest bid, North Hospital for Insane, from Allis Fire Extinguisher Co., Milwaukee. Noted July 27.

Iowa, North McGregor—Terminal Improvements—Chicago, Milwaukee & St. Paul Ry. let contract terminal grading improvements to MORRIS, SHEPARD & DOUGHERTY, St. Paul.

Tex., Port Arthur—Channel—Contract let to SOUTHERN DREDGING CO., American National Insurance Bldg., Galveston, for extending channel.

Wash., Tacoma—Retaining Wall—Oregon-Washington R.R. and Navigation Co. let contract retaining wall to HURLET MASON CO., Worcester Bldg., Portland, Ore. About $60,000.

N. S., Dartmouth—Wharf and Office Building—Campagnie Francais des Telagraphique, Montreal, Que., let contract to STANDARD CONSTRUCTION CO., Metropole Bldg. About $75,000. Noted Aug. 10.

N. B., St. John—Cribwork and Backfilling—Contract cribwork and backfilling at Pier No. 16 let to MARITIME DREDGING CO.

BUILDINGS

Proposed Work

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

N. H., Exeter—Gymnasium and Swimming Pool—Phillips Exeter Academy making plans, 1-story, 80x100-ft. About $100,000. F. A. Colby, 15 East 40th St., New York, Arch.

Mass., Chicopee—City Hall—City plans addition on Front St. About $70,000.

Mass., Chicopee—High School—City making plans, 3-story, 187x200-285-ft. About $60,000. G. E. Haynes, 184 North St., Pittsfield, Arch.

Mass., Lawrence—High School—Board Education plans addition, Haverhill and Oak St.

Mass., Shirley—State making plans for building for Shirley Industrial School. About $76,700. Densmore & LeClear, 88 Broad St., Boston, Arch. Noted May 4.

Conn., Bridgeport—High School—Board Education receiving bids Aug. 28, Linwood Ave. L. Asheim, 211 State St., Arch.

Conn., Bridgeport—Bridgeport Christian Union plans 4-story building. Briggs & Caldwell, Arch.

Conn., Bristol—School—City making plans, 2-story, 35x129-ft. addition. Wilson Potter, 1 Union Sq., New York, Arch.

N. Y., Batavia—High School—City votes Sept. 16 on $200,000 bonds. Noted Mar. 23.

N. Y., Binghamton—Church—Lithuanian Society of Binghamton making plans 1-story. About $40,000. T. I. Lacey & Sob, 1110 Press Bldg., Arch.

N. Y., Endicott—Hospital—D. R. D. Mead interested. About $70,000.

N. Y., Ithaca—(Official)—New York State College of Agriculture at Cornell University receiving bids Aug. 31 for buildings. E. L. Williams, Cornell University, Comptroller. L. F. Pilcher, Albany, State Arch. (See adv. Aug. 17 issue.)

N. Y., Johnson City—Church—First Baptist Church plans, brick and stone, Main St. and Johnson Ave. About $50,000.

N. Y., Long Beach—Hotel—Pierre & Cantone plans, 3-story, 170x200-ft. addition. Kirby & Pettit, 103 Park Ave., New York, Arch.

N. Y., New Hampton—City made plans for 4-story receiving building. About $197,700. C. B. Meyers, 1 Union Sq., New York, Arch. B. G. Lewis, Municipal Bldg., New York, Comr. Dept. of Correction.

N. Y., New York—(Brooklyn)—Hospital—Industrial Home Association, 153 South 3rd St., making plans, 4-story, 40x88-ft., brick. About $75,000. E. T. Meisinger, 394 Graham Ave., Arch.

N. Y., New York—(Brooklyn)—Theater—Freedman Bros., 1333 Broadway, receiving bids, 2-story, 125x140 ft., brick. About $75,000. M. J. Harrison, 63 Park Row, Arch.

N. Y., New York—(Manhattan)—Office—Anderson Galleries made preliminary plans, 22-story, 50x91-ft. brick and limestone at Madison Ave. and 40th St. About $350,000. Starrett & Van Vleck, 8 West 40th St., Arch.

N. Y., Utica—Hotel—Yates Hotel made plans, 2-story. L. Kinne, Mayro Bldg., Arch. C. Y. Fuller, 13 Whitesboro St., Proprietor.

N. Y., Syracuse—School—Board Education making plans, 2-story. About $250,000. Sacket & Park, 34 Syracuse Savings Bank Bldg., Arch.

N. J., Camden—Theater—Broadway Realty Co. making plans, 1-story, 53x140-ft. About $75,000. Custer && Seltzer, 3rd and Market St., Arch.

N. J., Clifton—School—Bd. Education receiving bids Sept. 12 for addition to School No. 7. About $65,000. W. T. Fanning, Colt Bldg., Paterson, Arch. Noted Mar. 16.

N. J., Lyndhurst—High School—Board Education making plans. About $60,000. E. Sibley, Edgewood Lane and Bluff Rd., Palisade, Arch.

N. J., New Brunswick—Y. M. C. A. Association making plans for 4-story building. About $125,000. Shattuck & Hussey, 19 South La Salle St., Chicago, Arch.

N. J., Park Ridge—School—Bd. Education plans, brick, Main St.

Penn., Birmingham—Birmingham School for Girls, Inc., made plans for building. J. Millard, Hutchinson Bldg., Altoona, Arch.

Penn., Erie—School—Bd. Education receiving bids about Oct. 1 for 2-story Lincoln Grade School. About $200,000. W. B. Ittner, St. Louis, Mo., Arch.

Penn., Johnstown—High School—Board Education making plans, 2-story, 75x200-ft. About $200,000. H. Hornbostel, 63 Williams St., New York, Arch. Noted Mar. 2.

Penn., New Castle—Bank and Office—Safe Deposit and Trust Co. plans, 6-story. About $200,000. H. M. Wirsing, South Jefferson St., Arch.

Penn., Philadelphia—Hotel—Oliver R. Parry, Arch., 1631 Chestnut St., made plans. 12-story, 85x145-ft. About $1,000,000.

Penn., Pittsburgh—Carnegie Institute of Technology receiving bids Sept. 16 for addition to school of applied science. About $125,000. H. Hornbostel, Arch.

Penn., Pittsburgh—Hospital—Passavant Hospital, Reed and Miller St., making plans for addition. About $100,000. E. Stotz, Arch.

Penn., Swissvale—High School—Board Education votes Nov. 2 on $180,000 bonds, 3-story, 170x190-ft. C. H. Lloyd, Telegram Bldg., Harrisburg, Arch. Noted May 11.

Penn., Turtle Creek—High School—Board Education receiving bids about Sept. 1. 2-story. About $225,000. G. H. Schwan, Peoples Bank Bldg., Pittsburgh, Arch. Noted Apr. 6.

Penn., West Chester—High and Grade School—City making plans. Paul A. Davis, 1713 Sansom St., Philadelphia, Arch.

Penn., York—Church—First United Brethren Church making plans, 2-story, 80x94-ft. About $40,000. Billmeyer & Gemmill, Rosenmiller Bldg., Arch.

Penn., Zelienople—Home — Pittsburgh Synod Lutherian Church made plans, 3-story, 50x100-ft. addition. About $50,000. E. Stotz, Monongahela Bank Bldg., Pittsburgh, Arch.

Md., Baltimore—Theater—City plans, 1-story. About $50,000. O. B. Wight, 1123 Munsey Bldg., Arch.

Md., Hagerstown—Hotel—Clarence Keedy making plans, 5-story, 40x200-ft. About $75,000. H. K. Yessler, Hamilton Row, Arch.

Va., Bristol—Kings College plans buildings. About $250,000. C. B. Kearfoot, Arch.

Ga., Macon—Auditorium and Hospital—City receiving bids Sept. 12 for purchase of $200,000 bonds. D. S. Jones, Clk. Noted July 6.

Fla., Jacksonville—Jacksonville Terminal Co. made plans for union depot. About $600 000. K. M. Murchison, 101 Park Ave., New York, Arch. Noted Mar. 23.

Ala., Decatur—Temple—Colored Grand Lodge of Alabama, Knights of Pythias voted $150,000.

Miss., Meridan-School—School Board made plans. About $50,00. P. J. Krouse, Engr.

La., New Orleans—Hospital—Dibert Memorial Tuberculosis Hospital plans. About $700 000.

Tenn., Nashville—Theater—Crescent Amusement Co. plans, rein.-con. About $100,000. T. Sudekum, Mgr. Marr & Holman, Arch.

Ky., Covington—High School—Board Education receiving bids Sept. 11, 3-story. About $175,000. Weber, Werner & Adkins, 414 Walnut St., Cincinnati, Ohio, Arch. Noted May 25.

Ky., Covington—German Mutual Fire Insurance Co. receiving bids Oct. 24 for 3-story building. About $100,000. Samuel Hannaford & Sons, Cincinnati, Ohio, Arch. Noted Aug. 17.

Ky., Franklin—Hotel—Franklin Hotel Co. plans. About $50,00. J. H. Crocker, Pres.

Ohio, Dayton—Club House—Dayton Engineers Club receiving bids about Sept. 15, 2-story. About $100,000. Schenck & Williams, 591 Arcade Bldg., Arch. Noted July 27.

Ohio, Defiance—High School—Board Education receiving bids Sept. 1, 3-story. About $200,000. McLaughlin & Huksken, 610 Savings Bldg., Lima, Arch. Noted Aug. 17.

Ohio, Elyria—Bank—Savings Deposit Bank and Trust Co. making plans 1- and 2-story. About $60,000. A. Hopkins, 101 Park Ave., New York, Arch.

Ohio., Kingston—High School—City making plans. About $40,000. F. L. Packard, Columbus, Arch.

Ohio, Lynchburg—Auditorium—Village Council plans.

Ohio, Newark—Church—Fifth Avenue Baptist Church making plans, 1-story. About $65,000. E. E. Pruitt, 7th floor, Hartman Bldg., Columbus, Arch. Noted Aug. 10.

Ohio, Newark—School—Parish of St. Francis De Sales making plans. About $90,000. Howard & Merriam, Columbus, Arch.

Ohio, New Boston—(Portsmouth post office)—Grade School—Board Education plans, 2-story. About $65,000.

Ohio, New Lebanon—Grade and High School—Board Education plans, 2-story. About $50,000.

Ohio, Wellington—School—City sold $55,000 bonds.

Ohio, Weston—School—Board Education receiving bids about Sept. 15, 2-story, 45x58 ft. About $45,000. S. P. Stewart & Son, Bowling Green, Arch. Noted June 8.

Ohio, Xenia—Gymnasium—Wilberforce University making plans, 1-story, 90x134-ft. About $40,000. F. L. Packard, 1212 Hayden Bldg., 16 East Broad St., Columbus, Arch.

Ohio, Youngstown—Hotel—Willis Hotel Co. made plans, 1-story. About $300,000. W. C. Owen & Co., Leader News Bldg., Arch.

Ind., Boonville—High School—Board Education making plans, 1-story. About $40,000. C. Shopbell & Co., 707 Furniture Exchange Bldg., Evansville, Arch.

Ind., Crawfordsville—Armory and Gymnasium—Wabash College plans, 1- and 3-story, 100x200-ft. and 40x130-ft. H. Foltz, 1456 Lemcke Bldg., Indianapolis, Arch.

Ind., Kokomo—Temple—Kokomo Masonic Lodge plans, 2-story. About $75,000. E. E. Dunlap, 909 State Life Bldg., Indianapolis, Arch.

Ind., Mishawaka—Bank and Office—Mishawaka Trust and Savings Co. making plans, 5-story. About $120,000. Austin & Shambleau, 731 J. M. S. Bldg., South Bend Arch. Noted Feb. 10.

Ind., North Terrat Haute—High and Grade School—City making plans, 2-story. About $40,000. D. B. Shrouds, 511 Tribune Bldg., Terra Haute, Arch.

Ind., Richmond—Penn College to replace buildings destroyed by fire. About $400,000.

Ind., South Bend—Hotel—Van Valkenburg Bros., Danville, plans. About $250,000.

Ind., Terre Haute—School—Indiana State Norman School made plans. About $100,000. Robert G. Gillum, Prof. Noted June 15.

Mich., Detroit—Temple—Colonial Lodge making plans, 2-story, 70x120-ft. About $60,000. G. W. Graves, 56 Rowland Bldg., Arch.

Mich., Highland Park—School—Board Education making plans. W. D. Butterfield, 1113 David Whitney Bldg., Detroit, Arch.

Mich., St. Clair Heights—Hotel—J. Vanderbeck making plans, 2-story, 38x120-ft. About $80,000. P. Rosselle, 1487 Mack Ave., Detroit, Mich.

Ill., Aurora—Y. M. C. A. plans addition to building. About $65,000.

Ill., Buda—School—City voted $40,000 bonds.

Ill., Chicago—Store and Hotel—G. Mavrakos and P. Briskas, 68 West Grand Ave., plans, 4-story, 40x80-ft., North Clark St. and West Grand Ave.

Ill., Chicago—Theater and Store—W. Pagels, Arch., 19 South La Salle St., making plans, 3-story. About $75,000.

Ill., Eureka—Science Hall—Eureka College making plans, 3-story. About $40,000. A. L. Pillsburg, Peoples Bank Bldg., Bloomington, Arch.

Ill., Maywood—Temple—Maywood Lodge No. 869 making plans, 3-story, 50x100-ft. About $40,000. E. E. Roberts, 105 North Clark St., Chicago, Arch.

Wis., Beloit—School—Dist. No. 2 making plans. About $50,000. M. R. Rosman, 878 44th St., Milwaukee, Arch.

Wis., Berlin—School—School Bd. receiving bids Sept. 6. About $100,000. Parkinson & Dockendorff, La Crosse, Arch. Noted July 27.

Wis., Waukesha—Sanitarium—Pen Bryn Sanitarium Co. making plans, 2-story. About $60,000. R. A. Messmer & Bros., 1004 Majestic Bldg., Milwaukee, Arch.

Iowa, Irwin—School—Board Education receiving bids Sept. 9. About $40,000. J. M. Edwards, Pres. Bd. Dir. Noted Aug. 10.

Iowa, Mason City—School—Independent School Dist. receiving bids Sept. 18, for high school and domestic science building. About $250 000. J. H. Felt & Co., 800 Grand Ave. Temple, Kansas City, Mo., Arch. Noted July 27.

Iowa, Randolph—School—Board Education made plans, 2-story. 69x106-ft. About $42,000. C. M. Nye & Robinson, 782 Brandeis Bldg., Omaha, Neb., Arch.

Iowa, Soda Springs—Hotel—Soda Springs Hotel and Sanitarium Co., recently incorporated plans. About $100,000. F. R. Paradise, Pocatello, Idaho, interested.

Iowa, Titonka—School—Board Education plans, 2-story. About $40,000. C. Reibsamen, Pres. Bd. Education.

Minn., Annandale—School—G. J. Hoffman, Arch., Rochester, made plans, 2-story, 75x144-ft. About $50,000.

Minn., Elbow Lake—Hotel—E. P. Moorhead, Moorhead Inspection Bureau, 1143 Plymouth Bldg., Minneapolis, plans, 3-story.

Minn., Mound—High School—School Dist. No. 85 receiving bids Sept. 14, 3-story. About $60,000. F. E. Halden, 601 Kasota Bldg., Minneapolis, Arch. Noted May 25.

Minn., Northfield—Dormitory—Carlton College receiving bids Sept. 1. About $150,000. Holmes & Flinn, 8 South Dearborn St., Chicago, Arch.

Buildings (Continued)

Minn., Proctor—School—City making plans. About $50,000. V. J. Price, Palladio Bldg., Arch.

Kan., Arkansas City—City Hall—City making plans. About $60,000. M. N. Sinnott, City Clk. W. T. Schmitt, Oklahoma, Okla., Clk. Noted June 29.

Kan., Eldorado—High and Grade Schools—Board Education voted $45,000 bonds. H. T. Brown, Pres. Noted May 4.

Kan., Hiawatha—Courthouse and Jail—Brown County defeated $125,000 bonds. J. E. Mathewson, Hiawatha, County Clk. Noted July 20.

Kan., Smith Center—High School—Board Education receiving bids Sept. 6, 2-story, 70x125-ft. About $45,000. T. W. Williamson, Topeka, Arch. Noted July 13.

Wyo., Basin—Bank—First National Bank soon lets contract.

Mont., Anaconda—Hotel and Store Building—Ben Bank Realty Co. plans. About $75,000 to $100,000.

Mont., Helena—Cedarberg & Van Kirk, Arch., Endicott Bldg., St. Paul made plans for 5-story theater, store and office building. About $200,000.

Ark., Little Rock—Central Supply Co. plans 4-story building. About $90,000. C. C. Rose, Pres.

Tex., Port Arthur—School—Port Arthur School Bd. receiving bids Sept. 5. About $225,000. Noted Jan. 20.

Calif., Culver City—School—City sold $55,000 bonds. Noted May 18.

Calif., Porterville—City Hall and Auditorium—City soon to vote $50 000 bonds.

Calif., San Francisco—State Bd. of Control plans state building. About $1,000,000.

Calif., Taft—City Hall—City made plans. O. L. Clark, Bakersfield, Arch.

Calif., Visalia—Hotel—Johnson Hotel receiving bids Aug. 31. About $135,000. J. S. Johnson, interested. Noted May 11.

Ont., Tweed—High School—High School Bd. receiving bids Aug. 30. O. W. Huyck, Secy. Ellis & Ellis, Maning Chambers, Toronto, Arch.

Bids In and Contracts Awarded

Mass., Bilton—School—City rejected bids. Noted Aug. 17.

Mass., Boston—High School—City let contract, 3-story, 40x131-ft. addition, to J. BOWEN CO., 184 Dudley St., Roxbury. About $75,000.

Mass., Brockton—School—City received lowest bid, 2-story, 35x170-ft. addition, from G. Howard & Sons, 633 Warren St., Brockton, $111,200. Noted July 13.

Mass., Concord—Library—Concord Free Library let contract, 1- and 3-story 100x150-ft. addition to CHARLES LOGUE BUILDING CO., 18 Tremont St., Boston. About $60,000.

Mass., Somerville—Bank—Somerville Trust Co. let contract to J. E. LOCATELLI CO., INC., 46 Cornhill, Boston.

N. Y., Buffalo—School—Dept. of Parks and Bldgs. let contract masonry, 3-story addition to School No. 17 to ECKHAM CONSTRUCTION CO., Mutual Life Bldg. About $65,000. Noted Jan. 13.

N. Y., New York—(Brooklyn)—Schools—Board Education let contract Schools Nos. 43 and 147 to E. RUTZLER, 404 East 49th St.

N. Y., New York—(Brooklyn)—School—Church of St. Charles Borromeo let contract to W. L. & G. H. O'SHEA, 29 Broadway, Manhattan.

N. Y., New York—(Manhattan)—Grolier Club let contract, 5-story, 31x100-ft. to T. O'REILLY & SON, 30 East 42nd St.

N. Y., New York—(Manhattan)—Sunday School and Store—M. E. Church, 2543 Marion Ave., let contract to G. W. FLAGG, 2610 University Ave. About $130,000.

N. Y., New York—(Manhattan)—Club House—Delta Kappa Epsilon Society let contract improving 11-story club house to THOMAS T. HOPPER CO., 280 Madison Ave. About $60,000.

N. Y., New York—(Manhattan)—Museum—Spanish Society of America let contract, 65x125-ft. 155th St. and Broadway, to J. C. UDALL, 29 West 34th St. About $300,000.

N. Y., Pittsford—High School—Bd. Education received low bid for masonry from P. Hauck, Cox Bldg. About $60,000.

N. Y., Poughkeepsie—New York Central & Hudson River Railroad Co. let contract passenger station and express building to WELLS BROS. CO., 29 West 42nd St., New York. About $75,000. Noted Apr. 20.

N. Y., Rochester—Church and Sunday School—Bellevue Avenue M. E. Church let contract to ERION & GILBERT, 344 East Ave. About $50,000.

N. J., Camden—Library—City let contract, 2-story, 65x108-ft. to DOYLE & CO., 1519 Sansom St. About $225,000.

N. J., Hoboken—National Bank of North Hudson let contract building on Summit Ave. to G. H. DECKER. About $46,500.

Penn., Altoona—Lodge and Office—Junior Order of United American Mechanics let contract, 4-story, 50x70-ft., to P. W. FINN, Masonic Bldg. About $40,000.

Penn., Haverford—Service and Administration Building—Haverford Township let contract, 2-story to E. O. LOBB, Llanerch.

Penn., Kutztown—High School—Board Education let contract, 2-story, 75x100-ft., to E. H. WIAND, 32 East 58th St., Pottstown. About $40,000. Noted Aug. 10.

Penn., Narberth—School—Board Education received lowest bid from C. D. Burns, Drexel Bldg., Philadelphia. About $40,000. Noted Aug. 10.

Va., Covington—Bank—National Bank of Covington let contract, 2-story, 40x60-ft., to W. H. PARRISH & CO., Charlottesville. About $40,000. Noted July 13.

Va., Norfolk—Synagogue—Chef Sholem Synagogue let contract, 1-story, 72x106-ft., to BAKER & BRINKLEY, Dickson Bldg. About $85,000. Noted Aug. 10.

W. Va., Richmond—High and Grade School—Board Education let contract, 2-story 136x183-ft., to A. J. FINCHER. About $40,000. Noted Apr. 13.

Ga., Macon—Hospital—Bd. Hospital Comrs. let contract to R. M. WALKER CO., Atlanta. About $80,984. Noted June 8.

Ga., Rock Mart—School—City let contract to KALB & McCAULEY.

Miss., Jackson—Capitol Comrs. let contract for rebuilding State Capitol to JAMES H. BRIGHT CONSTRUCTION AND BUILDING CO., Title Guaranty Bldg., St. Louis, Mo., $42,995. Noted Mar. 9.

Tenn., Harriman—School—Board Education let contract to SOLOMON CONSTRUCTION AND ENGINEERING CO. About $50,000. Noted June 22.

Ohio, Cleveland—School—Sacred Heart of Jesus Church let contract, 2-story 90x123-ft., to A. F. WASILLEWSEI, 1441 East 53rd St. About $50,000.

Ohio, Fremont—Hospital and Nursery—Independent Order of Odd Fellows, Springfield, let contract to SIDNEY E. AFTEL, Toledo. About $80,000.

Ohio, Massillon—Nurses Home—Ohio State Bd. of Administration let contract nurses home at Massillon State Hospital to CULLEN & VAUGHN CO., Columbus. About $50,000. Noted July 27.

Ohio, Mt. Vernon—Hospital—City let contract to SIMON SMALL & SON, Mansfield. About $74,672.

Ohio, Wellington—High School—Board Education let contract, 2-story, 50x140-ft. addition to E. CONVERSE, Massillon. About $50,000.

Ind., Evansville—Hotel—Apartment Hotel Co. let contract to C. HANZLER & SON, Evansville.

Ind., Ft. Wayne—Chapel—St. Joe Chapel let contract, 1-story, 40x60-ft., to OSCAR SPRINGER. About $60,000.

Ind., Indianapolis—Hotel—Gill-Buennagel Realty Co. let contract, 5-story, 67x90-ft., to BEDFORD STONE AND CONSTRUCTION CO., Fletcher Trust and Savings Bank Bldg. About $95,000. Noted Aug. 17.

Mich., Detroit—Theater—Colonial Theater Co. let contract, Broadway and Witherall St., to SCHMIDE SISMANCO. About $150,000. Noted Apr. 13.

Mich., Morenci—Bank—Wakefield State Bank let contract to W. M. ACKERMAN.

Ill., Chicago—School, Church and Hall—St. Theodora's Church let contract, masonry, 3-story, 90x114-ft., to F. BURKE, 35 South Dearborn St. About $75,000.

Ill., Moline—Grade School—Board Education let contract, 1-story, 90x125-ft., to P. J. LORENZ, Peoples Bank Bldg. About $40,000. Noted May 11.

Ill., Waukegan—School—City let contract to PETER W. PETERSON. About $42,000. Noted July 20.

Ill., Wood River—High School—Board Education let contract, 2-story, 57x78-ft., to J. I. GEDNEY, Arcade Bldg., East St. Louis. About $50,000.

Wis., Mt. Calvary—Students Hall—St. Lawrence College let contract to HUTTER CONSTRUCTION CO., Fond du Lac. About $50,000. Noted May 25.

Wis., Racine—Church—First Methodist Church let contract, 2-story, to JOHN & SUTHERLAND, Waukegan. About $45,000.

Iowa, Lakeview—School—City let contract to CARL SCHLACHTER & SON. About $40,000. Noted May 25.

Iowa, Monticello—Hospital—John McDonald Estate rejected bids. About $50,000. Noted Aug. 10.

Minn., Dundee—Bank—State Bank of Dundee let contract, 1-story, 45x60-ft., to ERNEST MAHLE, Mankato, $45,450.

PAVING, BOSTON, MASS.

Bids were received Aug. 18 by Public Works Department for paving from (A) Central Construction Co., 6 Beacon St.; (B) Warren Bros. Co., 142 Berkeley St.; (C) J. Doherty, 133 Calumet St.; (D) Bermudez Co., 246 1st St. The item bids were as follows:

	A	B	C	D
10 cu.yd. earth excavation	$2 00	$1 50	$1 00	$2 00
10 cu.yd. rock excavation	1 00	2 00	1 00	5 00
300 l.f. straight edgestone, hauled and set	.25	.20	.20	.25
175 b.f. circular edgestone, hauled and set	.15	.17	.15	.15
7,955 l.f. edgestone, reset	.15	.15	.14½	.15
385 sq.yd. granite blocks, relaid, gravel joint	.55	.53	.43	.60
953 sq.yd. granite blocks, relaid, grout joint	1 85	2 00	1 80	1 70
150 sq.yd. flagging crosswalks, relaid, gravel joint	.65	.50	.50	.60
80 sq.yd. flagging crosswalks, relaid concrete base and grout joint	1 50	1 80	1 80	1 80
14,890 sq.yd. asphalt wearing surface on concrete base with bitumen concrete binder	2 34	2 09	....	2 40
12,415 sq.yd. asphalt wearing surface on macadam base with concrete binder	1 40	1 21	....	1 40
14,890 sq.yd. Topeka Wearing surface on concrete base	2 35	....	....	2 40
12,415 sq.yd. Topeka Wearing Surface on macadam base	1 40	....	....	1 40
14,890 sq.yd. bitulithic surface on concrete base	....	2 42	2 42	....
12,415 sq.yd. bitulithic surface on macadam base	....	1 54	1 58	....
4,360 sq.yd. brick blocks, on concrete base, furnished and laid	2 80	2 73	2 93	2 80
4,830 sq.yd. brick sidewalks relaid	22	.30	.33	.30
28,420 sq.ft. granolithic sidewalks	16½	.16	16	.18
870 sq.ft. granolithic driveways	.17	.17	.17	.20
1,670 sq.yd. wood block paving, including concrete base	3 45	3 42	3 77	3 86
925 sq.yd. wood block paving for brow stone	3 20	3 42	3 84	4 10
150 tons crushed stone furnished in place	15	2 00	1 75	3 00
Extended totals (asphalt)	$80,985	$75,731	.....	$84,728
Extended totals (topeka)	81,134	.....	.....	84,728
Extended totals (bitulithic)	.....	84,742	86,639	.....

Carrington Construction Co. has removed its offices to the Passaic National Bank Bldg., Passaic, N. J.

The One-Hundred-and-Five West Fifty-Fifth St. Corporation, 65 West 46th St., New York, solicits catalogs and price lists from manufacturers and dealers of building material, supplies and general equipment.

TRADE PUBLICATIONS

Evinrude Unit Centrifugal Pump. Evinrude Motor Co., Milwaukee, Wis. Pamphlet; pp. 8, 4x9 in.; illustrated. Description of unique contractors' machine comprising gasoline engine, pump and holding frame.

Form-a-Truck Attachment. Smith Form-a-Truck Co., 1470 Michigan Blvd., Chicago, Ill. Pamphlet describing this attachment, which makes a complete 1-ton delivery truck when installed on a Ford chassis.

Reinforced Concrete Pile, Trestles, Culvert Pipe. C. F. Massey Co., Peoples Gas Bldg., Chicago, Ill. Catalog; pp. 28, 5½x8 in.; illustrated.

Sanitary Equipment. Kaustine Co., Inc., Buffalo, N. Y. Catalog E; pp. 48, 8x10½ in. What is here called "waterless sewage disposal" consists of mounting a water-closet bowl above a steel tank containing water and a chemical agent named Kaustine. A rotary agitator is placed in the tank. Ventilation is provided. Installations are adapted for houses, institutions and industrial plants. The company sells the chemical agent.

Gasoline-Engine-Operated Stone Unloader. Belt type. Delivery of 1 cu.yd. per min. The Burch Plow Works Co., Crestline, Ohio. Circular. Illustrated.

Industrial Cars and Factory Trucks. The Lakewood Engineering Co., Cleveland, Ohio. Book No. 16; pp. 152, 6x9 in. Describes and illustrates cars of all kinds—dumps of many varieties, mine cars, stone sleds, cars especially for tunnel and sewer construction, scale cars, cars for rolling mills, sugar refineries and creosoting plants, etc.

Iron Cements, Paints, Etc. Smooth-On Mfg. Co., 570-574 Communipaw Ave., Jersey City. Smooth-On Instruction Book No. 16. Pp. 144, 4½x6½ in. This contains many new examples and illustrations showing the working of the different Smooth-On iron cements, and ought to be useful to engineers.

Link-Belt Sprocket Wheels, Traction Wheels, Gears, Buckets, Etc. Link-Belt Co., Chicago, Ill. Book No. 275; pp. 112, 6x9 in. This contains revised price lists effective July 15, 1916.

Portable Conveyors. The Jeffrey Mfg. Co., 923 North 4th St., Columbus, Ohio. Bulletin No 184; pp. 12, 6x9 in. Conveyors for handling barrels, boxes, bags, etc., are described in this bulletin.

THE DETERMINATION OF UNIT PRICES IN APPRAISALS FOR RATE MAKING*

By Judson C. Dickerman†

The reproduction cost new of a public utility as of a certain date is an estimate of the cost of reëstablishing an existing plant and business exactly as it is on date of appraisal, assuming that all conditions existing on the date of appraisal are operative except the one that the utility in question has been previously established. Logically such an appraisal is based on an exact inventory of the existing physical property, to which unit prices as of the date of appraisal have been applied, with such additions for intangibles as would be necessary to establish the business.

The inventory is almost wholly a matter of exact observation of existing material, with the relation of each item to other items, and requires the exercise of but little judgment that will affect the appraisal beyond that necessary in classifying and grouping the various items in order to apply unit prices.

The choice of the unit prices to be used, however, calls for a marked exercise of judgment which vitally affects the appraisal. The choice of the unit prices to be used depends upon several factors:

1. The sources. Among possible sources of information are quotations in trade journals, if the prevailing discount is known; actual prices paid for closely similar materials or equipment by other business enterprises in the neighborhood; (actual prices paid by the utility for the various items of its property; quotations obtained on request from dealers in position to furnish any portion of the property); estimates of contractors and engineers of experience who are acquainted with market conditions locally and elsewhere.

2. The elements of cost included in the unit price. On any structure or piece of equipment, the price used may be merely the purchase or dealer's price, to which must be added elsewhere allowances for freight, teaming, labor in placing in position, use of tools, etc.; or it may cover the cost in place ready to operate, which in turn must be distinguished as to whether it covers materials, direct labor and expense only, or includes in addition general supervision, general expense, taxes, etc. In short, the question is whether the unit price taken is purchase, sub-contractor's, or general contractor's price.

3. Whether the unit price is to be taken as that presumably existing in the market as of the date of appraisal, an arithmetical average of prices at regular intervals for a term of years preceding, a "weighted" average for a term of years, or a trend price, based on someone's judgment of a plot of prices covering many years, or what is called a normal or fair price in view of all the conditions which surrounded the actual construction of the real plant whose reproduction cost is desired.

This paper is chiefly interested in the questions involved under No. 3 for their solution determines in large measure the decision in regard to (1), and (2) becomes a matter of ready agreement

Under our competitive system, with published list prices subject to important and usually markedly varying discounts, with contractors' bids and estimates largely influenced by the status of their own business at the time, and with the complications affecting prices, particularly of labor, if a big plant were to be rushed to completion, prices as of a certain date are extremely variable and subject to great uncertainty. In fact, any prices approximating the real situation can only be determined in most cases months, if not years after the date selected, when definite information of a competitive nature will be released. It is a matter of judgment which price is fair to use, if one compares the actual bids of contractors submitted for similar work under specifications identical for each particular job. The Public Service Commission, 2nd District, State of New York, in the Buffalo Gas case, gives numerous instances of actual bids submitted, and estimates of numerous engineers as to unit prices, and finally ends up with the clear and forceful statement that fixing a unit price for an extensive system of gas mains from data submitted by engineers or inferred from contractors' bids on other jobs is nothing but a guess and the commission declined to make the guess.

The writer has examined the literature concerning valuation cases with a view to determining the attitude of responsible bodies such as courts and public utility commissions, toward the basis from which unit prices were to be derived.

Of all the cases of prominence where rate making was to be influenced by necessary returns on a reproduction cost new, I have found but two or three which took the position that the reproduction cost new must be based on unit prices as of date taken. One was the New York Consolidated Gas case, in which a lower court fixed on prices as of date of appraisal, which question was not considered directly when the case was taken to the United States Supreme Court. Another was the Louisville & Nashville R.R. vs. Railroad Commission of Alabama, carried to the United States court, where present prices were used in the original appraisal because of the form of law, and at a later date on review the same were confirmed accompanied by the statement that investigation showed the prices used to have accorded well with the price tendency of the times. In other words, the "as of date" prices taken, time had proved to be average prices over a period of a few years. In Texas in 1903 and in the State of Washington somewhat later, in some railroad cases, prevailing prices as of date of appraisal were used.

On the other hand, in the great number of valuations made during recent years by state commissions, the apparently universal practice has been to develop unit prices on all material and labor subject to market fluctuations so as to obtain "normal" or reasonable prices. The commissions have taken the position that the whole purpose of the appraisal is to obtain a fair value for rate-making purposes and that, to quote the Wisconsin Commission, "Cost prices based on date of appraisal are not equitable for either rate-making or condemnation purposes." The Supreme Court of Maine in 1904 declared that the unit prices used should be an average of those prevailing during the assumed period of reproduction. The Iowa Supreme Court in a well-known gas case declared against the use of either highest or lowest prices.

The Minnesota Railroad and Warehouse Commission used the average price prevailing in the single year 1905, and investigation later showed these prices essentially the average for five years preceding June, 1907. In the appraisal of the Michigan railroads by the state railroad commission, prices for permanent materials were based on five- to ten-year averages, while for some items, like lumber and ties, the yearly average of the year of appraisal was used.

The Wisconsin Commission has used since 1909 an average price based on the five years preceding an appraisal. The New Jersey Public Service Commission in the Passaic Gas case, used largely the average of known costs of the previous eight years, subject to modification in particular instances.

The Public Service Department of the city of Chicago uses averages of prevailing prices for "last few years" on ordinary material, but uses ten-year averages on structural steel, in its valuation of the elevated street railways.

The California Railroad Commission declares for a "reproduction cost new based upon average prices which have obtained during recent years for labor and materials." It suggests the past three years (in the report January, 1911, and January, 1912) as a longer period would give abnormal results due to the influence of the great San Francisco fire.

The New Hampshire Public Service Commission has also adopted the five-year average price for reproduction appraisals. Mr. Osborne I. Yellott, Assistant General Counsel to the Public Service Commission of Maryland in his recommendations to the commission as to reproduction cost of the C. & P. Telephone Co. 1913-14, states that "a reasonable period must be allowed, even for theoretical reproduction"; and accepts four and five years as a reasonable period, using average unit prices of that period.

It would appear, then, that all authorities practically agree that the strict carrying out of an appraisal for the reproduction cost new as of a given date gives results so liable to error as to be essentially unfair either to one side or the other. They have therefore deviated from the theory and applied to an inventory of a given date unit prices derived from a more or less historical basis, going back five to ten years for average or even the more historical weighted average prices. All the arguments for fair and reasonable valuations seem to be against the immediate present cost theory and strongly favor the valuation on at least a partial historical cost basis.

It would appear, then, that fair valuations of existing physical properties for rate-making purposes are such as are based on the actual historical unit costs to the company of obtaining the property, modified by such additions or subtractions as appear reasonable to compensate for the known trend of prices, known appreciation or depreciation in value as of the time of appraisal and the skill or weakness of the management in obtaining the necessary and useful property.

The valuations as of date of appraisals are based on unit costs which are so much the result of the judgment of the engineers making them that they are little better than opinions. And the opinion of no one man or associated group of men, particularly where such group or individual is liable to be influenced directly or indirectly by the interest employing him, can be taken with safety as to a fair and reasonable value.

*Condensed from the "Utilities Magazine" for July.

†Formerly Chief of the Bureau of Public Lighting, Philadelphia.

RAPID TRANSIT SYSTEM, NEW YORK, N. Y.

Track Installation

Bids received Aug. 10 by Public Service Commission for First Dist., for installation of tracks on portion Broadway-Fourth Ave. rapid-transit system in boroughs of Manhattan and Brooklyn, from (A) T. H. REYNOLDS CONTRACTING CO., INC., 13 Park Row (awarded contract); (B) T. Crimmins Contracting Co., 44 East 69th St.; (C) Engel & Hevenor. The item bids were as follows:

	A	B	C
3 cu.yd. concrete masonry in place	$10 00	$15 00	$10 00
4 cu.yd. removal of concrete masonry	25 00	30 00	15 00
44 net ton c.-i. pipe, tees and elbows	75 00	65 00	38 00
13 net ton c.-i. hand hole frames and covers	75 00	90 00	48 00
10 concrete bumping posts	400 00	400 00	360 00
24,000 anticreepers	08	10	13
73,000 lin.ft. Type I track—tang. and curves over 2,000 ft. rad.	85	98	1 25
6,400 lin.ft. Type I track, curves 2,000 ft. to 701 ft. radius	1 25	1 50	1 70
9,200 lin.ft. Type I track, curves under 701 ft. radius	1 50	1 53	1 80
Installing Type II track at stations.			
25,000 lin.ft. installing Type II track, tang. and curves over 2,000 ft. rad	4 10	4 10	4 65
500 lin.ft. installing Type II track, curves of 2,000 ft. to 701 ft. rad	4 20	4 64	4 75
300 lin.ft. installing Type II track, curves under 701 ft. rad	4 30	4 66	4 85
Installing Type II in Tunnels.			
16,000 lin.ft. installing Type II tang. and curves over 2,000 ft. rad	4 00	3 73	4 90
100 lin.ft. installing Type II curves or 2,000 ft. to 701 ft. rad	4 10	4 27	5 00
2,100 lin.ft. installing Type II curves under 701 ft. rad	4 25	4 29	5 10
Installing special portion 110 complete (lump sum)	600 00	1,170 00	1,000 00
Installing special portion 111 complete (lump sum)	1,600 00	2,200 00	2,000 00
Installing special portion 112 complete (lump sum)	600 00	1,150 00	1,000 00
Installing special portion 113 complete (lump sum)	1,500 00	2,100 00	2,000 00
Installing special portion 122 complete (lump sum)	720 00	1,150 00	2,000 00
Installing special portion 123 complete (lump sum)	1,500 00	2,100 00	2,000 00
Installing special portion 126 complete (lump sum)	1,930 00	2,100 00	2,500 00
Installing special portion 127 complete (lump sum)	1,860 00	2,100 00	2,500 00
Installing special portion 128 complete (lump sum)	850 00	1,150 00	1,250 00
Installing special portion 129 complete (lump sum)	850 00	1,150 00	1,250 00
Installing special portion 130 complete (lump sum)	600 00	1,000 00	800 00
Installing special portion 132 complete (lump sum)	1,000 00	1,400 00	1,100 00
Installing special portion 134 complete (lump sum)	220 00	500 00	250 00
Installing special portion 135 complete (lump sum)	220 00	500 00	250 00
Installing special portion 136 complete (lump sum)	950 00	1,600 00	1,700 00
Extended totals	$288,400	$302,515	$374,250

REALIZING the value this section of the paper is to our readers, we are continually endeavoring to improve both the quality and the number of items published.

For the first four weeks of August we have published 4,203 items, against 2,540 for the same period a year ago, or a gain of about 60%.

SPECIAL OPPORTUNITIES SECTION

Contracts To Be Let

Bids received until Sept. 5, 1916.

State Highway Work

STATE OF MARYLAND,
STATE ROADS COMMISSION,
601 Garrett Building,
Baltimore, Md.

NOTICE TO CONTRACTORS.

Sealed Proposals for building 4 sections of State Highway aggregating about 9.74 miles in length, as follows:

Contract No. B-26—

BALTIMORE COUNTY:

One section along the Liberty Road from Harrisonville to the Old Court Road, about 3.33 miles in length. (Macadam Resurfacing, Oil Bound.)

Contract No. B-28—

One section along the Reisterstown Road from Reisterstown to the Carroll County Line. (Macadam Resurfacing, Oil Bound.) 2.56 miles in length.

Contract No. K-8—

KENT COUNTY:

One section from Chestertown toward Fairlee, about 2.13 miles in length. (Concrete or Macadam, Class C.)

Contract No. M-15—

MONTGOMERY COUNTY:

One section from Dawsonville to the Buck Lodge Road, about 1.72 miles in length (Concrete or Macadam, Class C.) will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 5th day of September, 1916, at which time and place they will be publicly opened and read.

Bids must be made upon the blank form contained in the book of specifications. Specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission, this 17th day of August, 1916.

FRANK H. ZOUCK, Chairman.
CLYDE H. WILSON, Secretary.

Bids received until Aug. 30, 1916.

Barge Canal Work

STATE OF NEW YORK
OFFICE OF SUPERINTENDENT OF PUBLIC WORKS.
Albany, July 27th, 1916.

NOTICE TO CONTRACTORS:

Sealed proposals will be received by the undersigned at his office in the Capitol at Albany, N. Y., until twelve o'clock noon of Wednesday, August 30th, 1916, at which place and hour they will be publicly opened and read, for improving the New York State canals pursuant to the provisions of Chapter 147 of the Laws of 1903, and of the acts amendatory thereof and supplementary thereto.

CONTRACT NO. 135
Erie Canal—Section 3

For excavating the point of land on the south bank of the Mohawk river between the bridge and Dam No. 10 at Canajoharie, and incidental work.

Sheets 1 and 2.

Plans may be seen and detailed specifications, engineer's estimate of quantities, proposal blanks, form of contract and bonds required and other information for proposers may be had at the office of the Superintendent of Public Works at Albany, N. Y., at the office of the Assistant Superintendent of Public Works for the Middle Division at Syracuse, N. Y., at the office of the Assistant Superintendent of Public Works for the Western Division at Rochester, N. Y., and at the canal office, Spaulding's Exchange, Buffalo, N. Y.

Copies of detailed plans or drawings may be obtained from the State Engineer and Surveyor at Albany, N. Y., upon payment to him of the cost of producing them.

Monthly estimates will be paid of ninety per centum (90 per cent.) of the work done at the contract price. Every proposal for said work must be accompanied by a money deposit in the form of a draft or certified check upon some good banking institution in the city or Albany or New York, issued by a national or state bank in good credit within the State and payable at sight to the Superintendent of Public Works for the five per centum (5 per cent.) of the amount of the proposal.

The person whose proposal shall be accepted will be required to execute a contract and furnish bonds within ten days from the date of notice of award delivered to him or them in person or mailed to the address given in the proposal.

Upon execution of the contract and approval of bonds, the certified check or draft will be returned to the proposer unless the same shall have been presented for collection prior to such time, in which case the amount of the deposit will be refunded by the Superintendent of Public Works.

The deposits of bidders other than the one to whom the award of contract shall be made will be returned immediately after the award has been made.

The amount of bond required for faithful performance will be ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, and an additional bond, known as the labor bond, in the sum of ten per centum (10 per cent.) of the amount of the estimated cost of the work according to the contract price, will be required as security that the contractor will pay in full at least once in each month all laborers employed by him upon the work specified to be done in the contract.

In the event that more than one surety company is offered as surety on said bonds, co-insurance only will be accepted.

Each proposal must be addressed to the Superintendent of Public Works, Albany, N. Y., and must be endorsed on the envelope with the name of the construction for which the proposal is made.

Award, if made, will be made to the person or persons whose proposal shall be lowest in cost to the State for doing the work, and which shall comply with all provisions required to render it formal. Before any award shall be made the lowest bidder will be required to satisfy the Superintendent of Public Works of his ability to provide suitable equipment and materials for the proper performance of the work.

The right is reserved to reject all proposals and readvertise and award the contract in the regular manner if, in the judgment of the undersigned, the interests of the State will be enhanced thereby.

W. W. WOTHERSPOON,
Superintendent of Public Works.

Bids received until Sept. 5, 1916.

The Anchlote River Bridge

Clearwater, Fla.

Sealed proposals addressed to the Board of County Commissioners of Pinellas County, Florida, and endorsed "Proposals for the Construction of the Anchlote River Bridge," will be received until twelve o'clock noon on the 5th day of September, 1916, and at that time will be publicly opened and read.

This work includes the erection and construction of a Scherzer Rolling Lift Bridge, clear roadway 16 feet and 57 ft. span c. c. bearings, two reinforced-concrete approaches of two twin spans each, 16 ft. clear roadway and 43 feet clear span.

Bids will be compared on the basis of the lump sum bid, ten yards of concrete, 2,000 lbs. extra steel and 200 lineal feet extra piling. In the lump sum bid bidders will include all royalties.

Each bid must be accompanied by a certified check on a Pinellas County Bank for one thousand dollars ($1,000.00) payable to the Board of County Commissioners of Pinellas County, Florida.

Plans, specifications, forms of contract, proposal and bond may be seen in the offices of The J. B. McCrary Co., Engineers, Atlanta, Ga., Third National Bank Building, and the office of the Board of County Commissioners, Courthouse, Clearwater, Florida.

The Board reserves the right to reject any or all proposals.

C. W. WIECKING,
Clerk of the Board of County Commissioners of Pinellas County, Florida.
By B. H. McMULLEN,
Deputy Clerk.

Bids received until Sept. 5, 1916.

Street Improvement

Jenkins, Ky.

Proposals will be received by The Consolidation Coal Company, of Jenkins, Ky., up to 5:00 P.M., September 8th, for the following street improvement work:

4,400 sq.yds. one-course concrete pavement.

3,900 lineal feet of concrete curb and gutter.

9,000 sq.ft. of cement sidewalk.

Plans and specifications can be obtained from the Chief Engineer, Jenkins, Ky.

The Company reserves the right to reject any and all bids.